AIR FORCE



916 AD-A205

RESOURCES

CONTENT DATA MODEL (CDM) AND IMPROVED TECHNICAL DATA SYSTEM (ITDS) COMPATIBILITY ANALYSIS

> Ron Schroder Thomas A. Teall Robert Millhouse

RJO Enterprises. Incorporated 101 Woodman Orive Dayton, Ohio 45431

LOGISTICS AND HUMAN FACTORS DIVISION Wright-Patterson Air Force Base, Ohio 45433-6503

February 1989 Interim Technical Paper for Period January - July 1988

Approved for public release; distribution is unlimited.

LABORATORY

AIR FORCE SYSTEMS COMMAND **BROOKS AIR FORCE BASE, TEXAS 78235-5601**

NOTICE

When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely Government-related procurement, the United States Government incurs no responsibility or any obligation whatsoever. The fact that the Government may have formulated or in any way supplied the said drawings, specifications, or other data, is not to be regarded by implication, or otherwise in any manner construed, as licensing the holder, or any other person or corporation; or as conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

The Public Affairs Office has reviewed this paper, and it is releasable to the National Technical Information Service, where it will be available to the general public, including foreign nationals.

This paper has been reviewed and is approved for publication.

BERTRAM W. CREAM, Technical Director Logistics and Human Factors Division

DONALD C. TETMEYER, Colonel, USAF Chief, Logistics and Human Factors Division

Unclassified

SECUPITY CLASSIFICATION OF THIS	

-	REPORT D	OCUMENTATIO	N PAGE			Form Approve OM8 No. 0704-		
-	ia. REPORT SECURITY CLASSIFICATION Unclassified		16. RESTRICTIVE	MARKINGS				
-]	28. SECURITY CLASSIFICATION AUTHORITY			/AVAILABILITY OF		urian is unli	imi tod	
-	2b. DECLASSIFICATION/DOWNGRADING SCHEDUL	£	Approved for	bunite Leteaze	, distric	deton is unit	miceu.	
	4. PERFORMING ORGANIZATION REPORT NUMBER	1(5)	5. MONITORING	ORGANIZATION RE	PORT NU	MBER(S)		
	60. NAME OF PERFORMING ORGANIZATION	60. OFFICE SYMBOL	74. NAME OF MO	ONITORING ORGAN	VIZATION			
	RJO Enterprises, Incorporated	(If applicable)	Logistics and	i Human Factors	Division	1		
-	6c ADDRESS (City, State, and ZIP Code)	 		y, State, and ZIP C		·		
ì	101 Woodman Drive		Air Force Hum	man Resources L	aboratory	1		
	Dayton, Ohio 45431		Wright-Patter	son Air Force	Base, Ohi	io 45433-6503	3	
1	82. NAME OF FUNDING/SPONSORING ORGANIZATION	8b. OFFICE SYMBOL (If applicable)	9 PROCUREMENT	FINSTRUMENT IDE	NTIFICATI	ON NUMBER		
	Air Force Human Resources Laboratory	HQ AFHRL	DTRS-57-88-C-					
î	EC. ADDRESS (City, State, and ZIP Code)			UNDING NUMBER		IWORK :	INIT	
	Brooks Air Force Base, Texas 78235-56	501	PROGRAM ELEMENT NO.	PROJECT NO.	TASK NO	ACCESSI		
Ì			62205F	2950	CO		03	
T TO THE REAL PROPERTY OF THE PERSON OF THE	12. PERSONAL AUTHOR(S) Schroder, R.; Teall, T.A.; Millhouse, 13a. TYPE OF REPORT Interim FROM Jan		14. DATE OF REPO February		Oay) 15.	PAGE COUNT 78		
ACTION NAMED IN	16. SUPPLEMENTARY NOTATION	. 30_ 10 _ 30_ 30]			L			
	17. COSATI CODES FIELD GROUP SUB-GROUP 15 05 12 07	18. SUBJECT TERMS (Document Type D Electronic Info Maintenance Inf	efinition (DTD) rmation Systems	e if necessary and	TAC Tec	· ·	,	
19. ABSTRACT (Continue on reverse if necessary and identify by block number) This effort examines the current potential for compatibility between two developing specifications for the description and exchange of digital technical maintenance information. The comparison analysis performed is a continuation of an effort directed toward the development of specifications for future automated information processing capabilities. The two specifications include the Content Data Model (CDM), being developed by the Air Force Human Resources Laboratory (AFHRL) with assistance provided by RJO Enterprises, Incorporated, and the Improved Technical Data System (ITDS), which is being developed by Northrop Corporation.								
	Both the CDM and ITDS use the identify technical maintenance info technical data in accordance with Milpresentation of technical data and the	rmation. SGML dat itary Soccification	a identifications. Each system	on is used to provides suppo	support	t the delive both the elect	ry of	
i	20. DISTRIBUTION / AVAILABILITY OF ABSTRACT		121 ABSTRACT SE	CURITY CLASSIFICA	ATION			
	☑ UNCLASSIFIED/UNLIMITED ☐ SAME AS R	PT OTIC USERS		CONT. COASSING	-11014			
	224. NAME OF RESPONSIBLE INDIVIDUAL		1	Include Area Code	. 1	*		
	Nancy J. Allin, Chief, STINFO Branch		(512) 536			FHRL/SCY		
	DO Form 1473, JUN 86	Previous editions are	0 <i>0101010</i> .	SECURITY	CLASSIFICA	ATION OF THIS P	AUC	

Unclassified

Item 18 (Concluded):

Standard Generalized Mark-Up Language (SGML)

Item 19 (Concluded):

The analysis performed revealed a fundamental difference in their implementation techniques. ITDS models technical data as a linear stream of information, with SGML commands embedded within text and tabular data. In the CDM, maintenance data are modeled hierarchically and are identified according to "content" structure, with SGML mark-up codes used to identify information classes such as "system information," "functions," "tasks," and "steps."

Obvious differences exist between ITDS and the CDM; however, despite these differences, the two systems are expected to be compatible. Compatibility is expected as a result of the demonstrated flexibility to make changes during the continuing development of both systems. As a result of this investigation, it is also anticipated that a suitable mapping scheme can be developed to allow for the exchange of maintenance information between the two systems.

CONTENT DATA MODEL (CDM) AND IMPROVED TECHNICAL DATA SYSTEM (ITDS) COMPATIBILITY ANALYSIS

Ron Schroder
Thomas A. Teall
Robert Millhouse

RJO Enterprises, Incorporated 101 Woodman Drive Dayton, Ohio 45431

LOGISTICS AND HUMAN FACTORS DIVISION
Wright-Patterson Air Force Base, Ohio 45433-6503

Acces	on For	
	CRA&I	N
DTIC	IAB ounced	
Justifi		U
By Distric	outio (/	
,	wad (Sility	Codes
Dist	Avail and Specie	
A-1		

Reviewed and submitted for publication by

Robert C. Johnson Chief, Combat Logistics Branch



SUMMARY

This document

The present effort examined the potential for compatibility between two developing specifications for the description and exchange of digital technical maintenance information. The comparison analysis performed was a continuation of an effort directed toward the development of specifications for future automated information processing capabilities. The two specifications include the Content Data Model (CDM), being developed by the Air Force Human Resources Laboratory (AFHRL) with assistance provided by RJO Enterprises, Incorporated, and the Improved Technical Data System (ITDS), which is being developed by Northrop Corporation.

Both the CDM and ITDS use the Standard Generalized Mark-Up Language (SGML) ISO 8879-1986 to "tag" and identify technical maintenance information. SGML data identification is used to support the delivery of technical data in accordance with Military Specifications. Each system provides support for both the electronic presentation of technical data and the production of paper documents.

The analysis performed revealed a fundamental difference in the two implementation techniques. ITDS models technical data as a linear stream of information, with SGML commands embedded within text and tabular data. CDM models maintenance data hierarchically and data are identified by their "content" structure, with SGML mark-up codes used to identify information classes such as "system information," "functions," "tasks," and "steps."

There are obvious differences that exist between the ITDS and the CDM. Despite the differences in their implementation methodologies, the two systems are expected to be compatible. Compatibility is expected as a result of the demonstrated flexibility to make changes during the continuing development of both systems. As a result of this effort, it is also anticipated that a suitable mapping scheme can be developed to allow for the exchange of maintenance information between the two systems.

PREFACE

The work described in this paper was performed in support of the Computer-Aided Acquisition and Logistics Support (CALS) initiative of the Air Force Systems Command. It was accomplished for the Air Force Human Resources Laboratory (AFHRL) by RJO Enterprises, Incorporated, under Department of Transportation contract DTRS-57-88-C-00033. First Lieutenant Mark J. Earl, AFHRL/LRC, served as the Laboratory technical monitor for the effort.

TABLE OF CONTENTS

																																ļ	Page
I.	INTR	טסט	CTIC	N.				•		•	•	•	•		•	•	•	•		•	•	•	•	•	•	•	•	•		•			1
	Back Purp Scop Appl	ose e				•	•		•	•	•	•	•		•		•	•	•	•				•		•	•	•		•	•		1 1 2 2
			ernn -Gov																														2 2
	Defi Glos	nit sar	ion	of	Te	rm: •	s	•	•	•	•	•	•	•	•	•	•		•	•		•	•	•	•	•	•	•	•	•	•	•	2
II.	STUD	Y R	ESUL	.TS	•		•	•		•	•					•	•	•	•					•		•	•		•			•	3
	ITDS CDM Diff	0ve	rvie	w .				•			•	•					•		•		•	•		•		•	•	•		•			3 3 4
		Par Ass	nchi ts [ocia figu	ata	ns	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	4 5 5 5
III.	RECO	MME	NDAT	ION	IS	•	•			•				•				•	•		•				•					•		•	6
IV.	CONC	LUS	IONS	·		•					•		•		•																	•	6
APPEN	OIX A	:	ITDS	3/C	M	CON	1P A	AR]	[SC	ИС	S1	רטנ	Υ													•					•		7
APPENO	DIX B	:	CDM/	' I T [S	COI	4PA	\R]	[50	NC	s-	זטנ	Υ																				53

CONTENT DATA MODEL (CDM) AND IMPROVED TECHNICAL DATA SYSTEM (ITDS) COMPATIBILITY ANALYSIS

I. INTRODUCTION

This section describes the purpose of the present effort and provides background information on the circumstances that led to this effort.

Background

The development of electronic technical order systems such as the Improved Technical Data System (ITDS), the Automated Technical Order System (ATOS), and the Integrated Maintenance Information System (IMIS) has required a detailed analysis of the entire collection of maintenance information. Previous analysis efforts have revealed that common data elements are shared across a family of maintenance manuals. The extraction of common content elements into a Standard Generalized Mark-Up Language (SGML) Document Type Definition (DTD) will more accurately and completely represent the data with less redundancy than do current methods.

The identification of common elements through the use of SGML ISO 8879-1986 will make it possible to translate data from existing systems into an instance of the "Organizational Level (0-level) maintenance set" DTD. This DTD will combine the essential content elements found in the family of manuals associated with MIL-M-83495. The DTD can be viewed in different ways by various output systems. One output system may generate traditional paper job guides; another may produce general vehicle manuals; and yet another may produce a data base that will run on an alternate electronic system.

The present effort was a continuation of previous work done for the Air Force Human Resources Laboratory (AFHRL). Past work involved the analysis of O-Level maintenance information and the development of the Content Data Model (CDM). The CDM, like the ITDS, is an information representation methodology that uses SGML to identify content elements and their relationships. Both the ITDS and CDM systems are developing specifications for the description and exchange of digital maintenance information intended for hard copy and electronic display.

Purpose

The purpose of this effort was to analyze both the CDM and ITDS DTDs and to determine the compatibility of the CDM and ITDS data structures. The analysis was required in order to recommend modifications to the CDM and ITDS data structures and to extract the content elements into a DTD that could be submitted to the Computer-Aided Acquisition Logistics Support (CALS) steering group. This effort was undertaken to assure that the CDM is an acceptable standard for the exchange of maintenance information and that ITDS data will be compatible with the CDM. Additionally, this study was to provide a foundation for the development of processing routines required to perform data conversions.

Scope

The scope of this effort was to document the analysis of both the CDM and ITDS specifications for the description and exchange of digital technical maintenance information. This study provides a comparison of common elements identified within the ITDS data structures and those represented in the CDM. The actual element-by-element comparisons can be found in Appendixes A and B.

Applicable Documents

Government Documents

MIL-M-83495, Organizational Level Maintenance Instruction Sets for Vehicle and Systems Manuals

MIL-M-28001, Mark-Up Requirements and Generic Style Specification for Electronic Printed Output and Exchange of Text

Non-Government Documents

Final Report - Content Data Model of Organizational Maintenance Information for Automated Interchange of Technical Source Data. Chicago, Illinois, Datalogics Inc., 7 July 1988.

SGML Mark-Up Codes for ITDS Electronic Output. DoD Computer-Aided Acquisition Logistics Support (CALS), Aerospace Industry Association: 29 June 1988. Appendixes B-1 and B-2.

Definition of Terms

The following definitions of terms were taken from MIL-M-28001:

ATTRIBUTE (DEFINITION) LIST: A mark-up declaration that associates an attribute definition list with one or more element types.

ATTRIBUTE (of an element): A characteristic quality, other than type or content.

DOCUMENT TYPE DEFINITION: Rules, determined by an application, that apply SGML to the mark-up of documents of a particular type. A DTD includes a formal specification, expressed in a document type declaration, of the element types, element relationships and attributes, in references that can be represented for mark-up. It thereby defines the vocabulary of the mark-up for which SGML defines the syntax.

ELEMENT: A component of a hierarchical structure defined by a document type definition. It is identified in a document instance by descriptive mark-up, usually a start-tag and end-tag, shown as:

<element_name attribute = value> content of element
<element_name attribute = value>

SGML: Standard Generalized Mark-Up Language, as detailed in International Standard 8879. It is a meta-language that "provides a coherent and unambiguous syntax for describing whatever a user chooses to identify within a document."

Glossary

The following acronyms and abbreviations are used throughout this paper:

AFHRL	Air Force Human Resources Laboratory
ATOS	Automated Technical Order System
CALS	Computer-Aided Acquisition Logistics Support
CDM	Content Data Model
DTD	Document Type Definition
IMIS	Integrated Maintenance Information System
IPB	Illustrated Parts Breakdown
ITOS	Improved Technical Data System
MPL	Maintenance Parts List
0S	Output Specification
SGML	Standard Generalized Mark-Up Language
TD	Technical Data

II. STUDY RESULTS

This section details findings resulting from the analysis of the SGML elements identified in both the CDM and the ITDS. Identified below are ITDS and CDM system overviews, along with differences found to exist between the two systems and recommendations made to improve compatibility. Appendixes A and B contain CDM and ITDS element-by-element comparative analysis results.

ITDS Overview

The ITDS is an advanced technical data system which uses the SGML representation scheme. ITDS is an interactive information delivery system that supports the presentation of technical data (TD) to users engaged in the operation, maintenance, training, and support of equipment and systems. ITDS models TD as a linear stream of information with SGML commands embedded within text and tabular data. The SGML mark-up codes identify the type/nature of the TD which follow, and specify sizing/positioning/color for the electronic display or paper printing of the TD. Through the use of SGML DTDs, an application can rigorously define a class of documents such as job guides, flight manuals, and fault isolation procedures.

CDM Overview

In the CDM, maintenance data are modeled hierarchically, with SGML element tags used to describe the content and data base structures associated with MIL-M-83495. CDM identifies maintenance information by its "content" structure, with SGML mark-up codes used to identify information classes such as "system information," "functions," "tasks," and "steps." This is a radical

departure from traditional paper documents where a linear order is assigned. However, this methodology is designed to allow the delivery of information in a manner known as hypertext. In hypertext delivery, the order in which data are viewed may be unique for each user, depending on the task and the user's level of expertise. The CDM is an attempt to more accurately and completely represent the data that are found in the present maintenance manuals, with less data redundancy than occurs with current methods.

Differences

The basic differences which exist between the ITDS and CDM may be attributed to their implementation methodologies. ITDS models TD as a linear stream of information, with SGML commands embedded within text and tabular data. In the DCM, maintenance data are modeled hierarchically and SGML mark-up codes are used to identify maintenance information "content" structure. As a result, there are minor differences in the system-supported features of each. Differences in branching, parts data, associations, and configuration control are listed below.

Branching

Branching and linking schemes in general are key to the overall capability to link and present text, graphics, warnings, or supplementary information. Providing extensive branching capabilities, transparent or user-driven, offers greater flexibility in creating a customized, interactive information presentation. Branching capabilities as implemented within the CDM and ITDS, although distinctly different, provide sufficient compatibility.

In ITDS, the basic branch element, "<branch>," simply causes the system to branch to a specified place in a document. The system will then continue from the new location. This branching feature is comparable to a FORTRAN "GO TO" statement. Additional branching capabilities are provided through the definition of branching attributes. Use of the branch definition element, "<branchdf>," allows the system to accept user inputs to explicit questions and to branch based upon the user's response. ITDS also has the ability to maintain a record of user inputs through specification of the SGML "<store>" element. Additionally, ITDS can apply multiple conditions on branching; this feature provides compatibility with the CDM. This operation is accomplished through the use of the "previous" attribute of the branch element.

Within CDM, branching is accomplished through the data link element, "<datalink>," and its associated attribute sets, "%links" and "%xrefs." CDM link structure provides further capability beyond simple branching. CDM hierarchical content structure and link attribute set support an internal cross-referencing system which employs query and testing user-supplied information and experience. Use of the attributes "value," "branchid," "rulelog," and "sequence" of the "%links" attribute set allows the CDM to emulate the decision-making process by applying rule logic to current or previously "learned" user inputs. This linking scheme allows for the storage and retrieval, at a later time, of information gathered from user responses to system-generated prompts.

Parts Data

Illustrated Parts Breakdowns (IPBs) and Maintenance Parts Lists (MPLs) which identify parts information are identified differently by the ITDS and CDM systems.

ITDS handles parts lists as tables, with individual parts being identified as table entries. Following this convention, the table identification element, "," will precede the MPL, and each succeeding part in the list will be preceded with an "<entry>" element tag. This allows access to MPL tables through cross-referencing and branching. Individual parts list entries can be manipulated or used to derive composite pieces of information.

In the CDM, MPLs are individual records of information about the parts which make up the particular MPL, such as figure and index number, reference designator or units per assembly. This organization allows the table to be manipulated and updated on an individual row basis. Additionally, parts information identified by the tag element "<partinfo>," has the attribute of "partbase." The value of "partbase" is the unique identifier of the partbase information for a part. Partbase information, "<partbase>," is that information which does not change across MPLs, such as the part number or Federal Stock Control Number (FSCN).

Associations

Associations are unique to ITDS and are divisions created primarily for presentation on an electronic display. An association, as defined by ITDS, is a basic unit of closely related data. Associations consist of electronic "pages" of information or frames. A frame is the electronic equivalent of a page from a printed document. The frame contains a portion of the total information that appears on its corresponding printed page. This feature results from associations and frames being designed to approximate the formatting required for an electronic display. Within ITDS, the primary intention for associations is to link steps or text with a graphic and to display both text and graphic on the same screen.

The CDM is designed to support dynamic information delivery, which inherently eliminates the concept of "pages" of information. Information to be delivered to the user is not determined until the user actually makes a request for information. Information requests use the CDM internal cross-referencing and embedded intelligence of the content structure to provide the technician with only that information required to accomplish the current task.

Configuration

ITDS configuration coding provides the capability to store and retrieve groups of related data. Configuration data are coded into specific groups of information as these groups appear and configurations are identified in the ITDS electronic page-oriented system. This implementation method allows the user to select configuration-specific data. ITDS supports modeling of configuration-sensitive data down to the lowest level (i.e., step). This

feature allows for multiple cross-referencing to supplementary support data such as figures, graphics, or tables.

CDM methodology allows the specification of configuration through the use of the "config" and "version" attributes of the "%stats" attribute set. This organization allows configuration differences to be embedded to the smallest element, which also provides for the elimination of redundant configuration data. This configuration technique allows configuration—specific information to be incorporated into the dynamic delivery process.

III. RECOMMENDATIONS

Naming conventions for tag sets should exhibit consistency and be established to restrict potential redundancy in information identification. For example, within ITDS, a writer could possibly code a national stock number (NSN) using two methods: by using a texttype attribute (texttype = 637) or by using the NSN element tag (<nsn>). For improved consistency in information identification, start and end tags for a given element should differ only in the existence of a forward slash (/) in the end tag. For example, ITDS would use "<doc>" (document start) and "</doc>" (document end) and not the "<association end) element tags.

Associations are used primarily for the selective grouping of information for presentation on an electronic display. It is suggested that a definition of associations be developed that defines the groupings in terms of data content rather than for electronic formatting.

IV. CONCLUSIONS

The comparative analysis provided recommended modifications to the CDM and ITDS data structures. These suggested changes have ensured that any data acquired and stored in the respective data structures will be compatible. Changes made to the CDM have made it an acceptable standard for the exchange of maintenance information.

The general recommendations listed, along with specific element tag and tag attributes recommendations, have been reviewed by ITDS and representatives. These recommendations have been incorporated into the CDM ITDS and specifications. The incorporation these recommendations has ensured the compatibility of the two systems and has enhanced the development of a mapping scheme between the two systems. Although compatibility between the ITDS and CDM systems has been verified, the fundamental differences in their implementation techniques remain. these differences, which are inherent to the goals and objectives of each system, will not prohibit the exchange of technical maintenance information between the two systems.

APPENDIX A

ITDS/CDM COMPARISON STUDY

This appendix details the results of a data structure analysis of the Content Data Model and the Improved Technical Data System using ITDS as the baseline for the comparative analysis.

APPENDIX A

Table of Contents

Section	Page
1.0 ITDS Mark-Up Codes - Appendix Bl	9
1.1 Attribute Sets and Definitions	9
1.2 Cover and Title Frame/Page	12
1.3 Other Front Matter	19
1.4 Paragraphs, Headings, and Text	23
1.5 Illustrations/Figures	25
1.6 Warnings, Cautions, Notes, and Footnotes	26
1.7 Tables, Charts, and Lists	27
1.8 Rear Matter	20
1.9 Special/Foreign Language Characters	31
Numbering	32
1.11 Automatic Page Numbering and Page Breaks	33
1.12 Marginal Copy	34
1.12 Marginal Copy	35
2.0 ITDS Mark-Up Codes - Appendix B2	36
2.1 Associations	36
2.2 Viewports	37
2.3 Graphic Callouts	38
2.4 Branching	39
2.5 Interrupt, Jump, and Return	41
2.6 Highlights, Emphasis Codes, Change and	7.4
Emergency Information, Global Definitions .	42
2.7 Video Disk	44
2.8 Configuration	45
2.9 Standard Keys	46
2.10 Cross-Reference and Data Identification	47
2.11 Special Codes	
2.11.1 Document Structure Reference Codes	48
2.11.2 Task Numbers	49
C.11.6 IGSK NUMDELS	49

1.0 ITDS Mark-Up Codes - Appendix Bl

This appendix provides a working subset of the SGML codes used by the Department of Defense (DoD), Computer-Aided Acquisition Logistics System (CALS), and Aerospace Industry for the printing and electronic display of technical publications.

1.1 Attribute Sets and Definitions

ATTRIBUTE SET	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
%applic		Not Applicable	1.
%bodyatt	%applic inschlvl delchlvl texttype itemid val verif form xrefid	%bodyatt, %content, As for %applic %bodyatt version %bodyatt version %content type sssn/nsn %bodyatt valstat %bodyatt verstat %ids	%ids 2. 3. 4. 5.
%colfmt	tapplic temph colnum lead ieader char percent colsep rowsep hspace hrule vspace vrule	<pre><table \<="" td=""><td>6.</td></table></pre>	6.
%color	color	Not Applicable	7.

ATTRIBUTE SET	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
%emph	bold box boxtouch circle cirtouch col flashing font hcp hex hextouch intrwdmx intrwdmx intrwdnm lead lftindnt orient orphan pggroup pitch primary print quad reverse rtindnt size stet strike style underscr verbatim window	<pre>*links priority</pre>	
*security	security type restrict release codeword scilevel diglyph	*secur security Not Applicable restrict release codeword scilevel diglyph	8.
tyesorno		%yesorno	

DETAIL REFERENCES

1.	%applic		<pre>Used for format/Restrict usage applic = print port shop prime </pre>
2.	%bodyatt texttype	-	ITDS uses 3-digit code for classification of data. Reference Section 3.2.11.2
3.	%bodyatt itemid	-	Used for item identification/unique identifier.
4.	%bodyatt form	-	CDM attribute to describe text as descriptive or procedural, nature, is found in multiple tags.
5.	%bodyatt xrefid	***	Identifies current document structure (CDM identifies referenced item) ex. xrefid = 012-4-12 is Table 4-12 Reference Section 3.2.11.1
6.	%colfmt		Added column data type to DTD but not to B1 lead, leader, char, percent, colsep rowsep, hspace, hrule, vspace, vrule are not applicable to CDM because CDM does not maintain output format data
7.	*color	-	Not applicable because CDM does not maintain output format data
8.	*security type		Due to possible differences in the intended users, ITDS requires this attribute but CDM has no need for it. This attribute is not in MIL-M-28001

1.2 Cover and Title Frame/Page

ITDS ELEMENT	ATTRIBUTE		DETAIL REFERENCE
<doc< td=""><td>%secur branch status revno chgno itidtype mantype xrefid</td><td><maintinf %security="" applicable="" as="" cdm="" derivable="" for="" id<="" not="" td=""><td>1.</td></maintinf></td></doc<>	%secur branch status revno chgno itidtype mantype xrefid	<maintinf %security="" applicable="" as="" cdm="" derivable="" for="" id<="" not="" td=""><td>1.</td></maintinf>	1.
<pre><volume< pre=""></volume<></pre>	%secur %bodyatt	CDM Derivable As for %security As for %bodyatt	
<cover< td=""><td>%secur %bodyatt</td><td>CDM Derivable As for %security As for %bodyatt</td><td></td></cover<>	%secur %bodyatt	CDM Derivable As for %security As for %bodyatt	
<titlefrm< td=""><td><pre>%secur type %bodyatt</pre></td><td>CDM Derivable As for *security As for *bodyatt</td><td></td></titlefrm<>	<pre>%secur type %bodyatt</pre>	CDM Derivable As for *security As for *bodyatt	
<pubno< td=""><td>1secur</td><td><pre><idinfo\ *security<="" <dataunit="" <sysinfo\<idinfo\="" as="" for="" pre="" type="pubno"></idinfo\></pre></td><td></td></pubno<>	1secur	<pre><idinfo\ *security<="" <dataunit="" <sysinfo\<idinfo\="" as="" for="" pre="" type="pubno"></idinfo\></pre>	
<pre><pre><pre>o</pre></pre></pre>	l secur	<pre><idinfo\ %security<="" <dataunit="" <sysinfo\<idinfo\="" as="" for="" pre="" type="prepub"></idinfo\></pre>	
<docno< td=""><td>%secur</td><td>Not Applicable</td><td>2.</td></docno<>	%secur	Not Applicable	2.
<user td="" <=""><td>isecur</td><td>Not Applicable</td><td>2.</td></user>	isecur	Not Applicable	2.
<titleblk< td=""><td>%secur</td><td>CDM Derivable As for *security</td><td></td></titleblk<>	%secur	CDM Derivable As for *security	

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<revnum< td=""><td>%secur</td><td><pre><idinfo\ %security<="" <dataunit="" as="" for="" pre="" version=""></idinfo\></pre></td><td></td></revnum<>	%secur	<pre><idinfo\ %security<="" <dataunit="" as="" for="" pre="" version=""></idinfo\></pre>	
<caveat< td=""><td>%secur</td><td><pre><datalink %security<="" for="" linktype="As" pre=""></datalink></pre></td><td>warning</td></caveat<>	%secur	<pre><datalink %security<="" for="" linktype="As" pre=""></datalink></pre>	warning
<docclass< td=""><td>%secur</td><td>Not Applicable</td><td>3.</td></docclass<>	%secur	Not Applicable	3.
<tfmclass< td=""><td>tsecur</td><td>Not Applicable</td><td>4.</td></tfmclass<>	tsecur	Not Applicable	4.
<docuse< td=""><td>tsecur</td><td>No Equivalent</td><td>5.</td></docuse<>	tsecur	No Equivalent	5.
<volnum< td=""><td>%secur</td><td>CDM Derivable As for %security</td><td></td></volnum<>	%secur	CDM Derivable As for %security	
<doccopy< td=""><td>%secur</td><td>No Equivalent</td><td>6.</td></doccopy<>	%secur	No Equivalent	6.
<docpart< td=""><td>%secur</td><td>CDM Derivable As for %security</td><td></td></docpart<>	%secur	CDM Derivable As for %security	
<subject< td=""><td></td><td><pre><idinfo\<dataunit <dat="" <datalink="" linktype="title</pre" ty="" type="subject"></idinfo\<dataunit></pre></td><td>title taunit</td></subject<>		<pre><idinfo\<dataunit <dat="" <datalink="" linktype="title</pre" ty="" type="subject"></idinfo\<dataunit></pre>	title taunit
	*secur	As for *security	
<maintlvl< td=""><td>•</td><td><pre><idinfo\ <dataunit="" <sysinfo\<idinfo\="" type="mai:</pre"></idinfo\></pre></td><td>-</td></maintlvl<>	•	<pre><idinfo\ <dataunit="" <sysinfo\<idinfo\="" type="mai:</pre"></idinfo\></pre>	-
	tsecur	As for *security	
<nomen< td=""><td>%secur</td><td><pre><function\<task\<equ %security<="" <dataunit="" <equip\<dataunit="" <sysinfo\<fltinfo\<s="" <sysinfo\<function\<="" \<dataunit="" as="" for="" pre="" type=""></function\<task\<equ></pre></td><td>en task\<equip men tatiso\</equip </td></nomen<>	%secur	<pre><function\<task\<equ %security<="" <dataunit="" <equip\<dataunit="" <sysinfo\<fltinfo\<s="" <sysinfo\<function\<="" \<dataunit="" as="" for="" pre="" type=""></function\<task\<equ></pre>	en task\ <equip men tatiso\</equip
<doctype< td=""><td>%secur</td><td>Not Applicable As for %security</td><td>7.</td></doctype<>	%secur	Not Applicable As for %security	7.

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<sssn< td=""><td>%secur</td><td><pre><maintinf %security<="" as="" for="" pre="" sssn=""></maintinf></pre></td><td></td></sssn<>	%secur	<pre><maintinf %security<="" as="" for="" pre="" sssn=""></maintinf></pre>	
<type< td=""><td>%secur</td><td><pre><function\<task\<inpu %security<="" <data\<textunit\<equi="" <equip="" <input\<equip="" <sysinfo\<fltinfo\<st="" <sysinfo\<function\<t="" as="" for="" pre="" type=""></function\<task\<inpu></pre></td><td>ask\ atiso\</td></type<>	%secur	<pre><function\<task\<inpu %security<="" <data\<textunit\<equi="" <equip="" <input\<equip="" <sysinfo\<fltinfo\<st="" <sysinfo\<function\<t="" as="" for="" pre="" type=""></function\<task\<inpu></pre>	ask\ atiso\
<docpartn< td=""><td>%secur</td><td>CDM Derivable As for %security</td><td></td></docpartn<>	%secur	CDM Derivable As for %security	
<modelno< td=""><td>isecur</td><td><pre><idinfo\ %security<="" <dataunit="" <sysinfo\<idinfo\="" as="" for="" pre="" type="mode"></idinfo\></pre></td><td></td></modelno<>	i secur	<pre><idinfo\ %security<="" <dataunit="" <sysinfo\<idinfo\="" as="" for="" pre="" type="mode"></idinfo\></pre>	
<pslist< td=""><td>tsecur</td><td><pre><sysinfo\<partdata\<i %security<="" as="" for="" pre=""></sysinfo\<partdata\<i></pre></td><td>pb\<mpl< td=""></mpl<></td></pslist<>	tsecur	<pre><sysinfo\<partdata\<i %security<="" as="" for="" pre=""></sysinfo\<partdata\<i></pre>	pb\ <mpl< td=""></mpl<>
<partno< td=""><td>lsecur</td><td><pre><sysinfo\<partdata\<p %security<="" <dataunit="" as="" for="" pre="" type="part"></sysinfo\<partdata\<p></pre></td><td></td></partno<>	l secur	<pre><sysinfo\<partdata\<p %security<="" <dataunit="" as="" for="" pre="" type="part"></sysinfo\<partdata\<p></pre>	
<nsn< td=""><td>lsecur</td><td><pre><function\<task\ %security<="" <equip="" <mdas\<rectif="" <partbase="" <sysinfo\<fltinfo\<dy="" as="" for="" nsn="" pre="" type="nsn"></function\<task\></pre></td><td>naiso\</td></nsn<>	l secur	<pre><function\<task\ %security<="" <equip="" <mdas\<rectif="" <partbase="" <sysinfo\<fltinfo\<dy="" as="" for="" nsn="" pre="" type="nsn"></function\<task\></pre>	naiso\
<stitle< td=""><td></td><td><pre><idinfo\<dataunit l="title</pre" subtitle\<datalink="" typ=""></idinfo\<dataunit></pre></td><td>e = inktype</td></stitle<>		<pre><idinfo\<dataunit l="title</pre" subtitle\<datalink="" typ=""></idinfo\<dataunit></pre>	e = inktype
<serno< td=""><td>*secur</td><td>As for *security <idinfo\ <dataunit="" <sysinfo\<idinfo="" type="seri</td"><td></td></idinfo\></td></serno<>	*secur	As for *security <idinfo\ <dataunit="" <sysinfo\<idinfo="" type="seri</td"><td></td></idinfo\>	
	%secur	As for *security	

twoe crewent	ATTRIBUTE	CDM EQUIVALENT	DETAIL
ITDS ELEMENT	KIIKIBOIE	EQUIVALENT	REFERENCE
<mfr< td=""><td></td><td><idinfo\< td=""><td></td></idinfo\<></td></mfr<>		<idinfo\< td=""><td></td></idinfo\<>	
		<pre><dataunit type="manu</pre"></dataunit></pre>	facturer
		<sysinfo\<idinfo\< td=""><td></td></sysinfo\<idinfo\<>	
		<pre><dataunit type="manu</pre"></dataunit></pre>	facturer
	lsecur	As for *security	
<docmfr< td=""><td></td><td><pre><idinfo\<dataunit =<="" pre=""></idinfo\<dataunit></pre></td><td></td></docmfr<>		<pre><idinfo\<dataunit =<="" pre=""></idinfo\<dataunit></pre>	
		docmfr	
	%secur	As for *security	
<contrno< td=""><td></td><td><idinfo\< td=""><td></td></idinfo\<></td></contrno<>		<idinfo\< td=""><td></td></idinfo\<>	
		<pre><dataunit type="cont</pre"></dataunit></pre>	ract no.
		<sysinfo\<idinfo\< td=""><td></td></sysinfo\<idinfo\<>	
	•	<pre><dataunit type="cont</pre"></dataunit></pre>	ract no.
	*secur	As for *security	
<pre><partdesc< pre=""></partdesc<></pre>		<pre><sysinfo\<partdata\<i< pre=""></sysinfo\<partdata\<i<></pre>	eb∖
•		<mpl\<partinfo< td=""><td></td></mpl\<partinfo<>	
	*secur	As for *security	
<pre><partname< pre=""></partname<></pre>		<pre><sysinfo\<partdata\<i< pre=""></sysinfo\<partdata\<i<></pre>	pb\
•		<mpl\<partinfo\< td=""><td>•</td></mpl\<partinfo\<>	•
		<pre><dataunit type="noun</pre"></dataunit></pre>	ident
	tsecur	As for *security	
<seal< td=""><td></td><td><graph2d< td=""><td>9.</td></graph2d<></td></seal<>		<graph2d< td=""><td>9.</td></graph2d<>	9.
	*secur	As for *security	
	cmdid	No Equivalent	
	graphic	srcgraph	
	width	pixrange	
	depth	pixrange	
	•	-	

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<notice< td=""><td></td><td></td><td>10.</td></notice<>			10.
Chocice	%secur		10.
	type		
	effdate	<pre><idinfo\<dataunit effdate<="" pre=""></idinfo\<dataunit></pre>	
	supersede	supersede	
	auth	<pre><idinfo\<dataunit auth<="" pre=""></idinfo\<dataunit></pre>	••
	distr	<pre><idinfo\<dataunit distr<="" pre=""></idinfo\<dataunit></pre>	type =
	nopg	CDM Derivable	
	noclaspg	CDM Derivable	
	branch	CDM Derivable	
	disc	<pre><idinfo\<dataunit disc<="" pre=""></idinfo\<dataunit></pre>	
	safesup	<pre><idinfo\<dataunit pre="" safesup<=""></idinfo\<dataunit></pre>	
	opersup	<pre><idinfo\<dataunit opersup<="" pre=""></idinfo\<dataunit></pre>	type =
	fouo	Not Applicable	
	pgclass	CDM Derivable	
	pubby	Not Applicable	
<dwgrev< td=""><td></td><td><pre><idinfo\<dataunit dwgrev<="" pre=""></idinfo\<dataunit></pre></td><td>type =</td></dwgrev<>		<pre><idinfo\<dataunit dwgrev<="" pre=""></idinfo\<dataunit></pre>	type =
	*secur		
<pre><pubdate< pre=""></pubdate<></pre>		<idinfo\<dataunit< td=""><td></td></idinfo\<dataunit<>	
.,		type = orig info	release date
		<pre><sysinfo\<idinfo\< pre=""></sysinfo\<idinfo\<></pre>	(dataunit
		type = orig info	release date
	*secur	As for Asecurity	
<chgdate< td=""><td></td><td><idinfo\<dataunit< td=""><td></td></idinfo\<dataunit<></td></chgdate<>		<idinfo\<dataunit< td=""><td></td></idinfo\<dataunit<>	
,		type = latest info	change date
		<pre><sysinfo\<idinfo\< pre=""></sysinfo\<idinfo\<></pre>	
		type = latest info	
	*secur	As for *security	-
<chgno< td=""><td></td><td><idinfo\< td=""><td></td></idinfo\<></td></chgno<>		<idinfo\< td=""><td></td></idinfo\<>	
		<pre><dataunit pre="" version<=""></dataunit></pre>	
	%secur	As for *security	
(downard		<idinfo\<dataunit< td=""><td>tune =</td></idinfo\<dataunit<>	tune =
<downgrd< td=""><td></td><td>downgrd</td><td>clhe -</td></downgrd<>		downgrd	clhe -
	*secur	domitàra	

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<auth< td=""><td></td><td><pre><idinfo\<dataunit auth<="" pre="" ty=""></idinfo\<dataunit></pre></td><td>/pe =</td></auth<>		<pre><idinfo\<dataunit auth<="" pre="" ty=""></idinfo\<dataunit></pre>	/pe =
	*secur		
<phrase< td=""><td>_</td><td>Not Applicable</td><td>11.</td></phrase<>	_	Not Applicable	11.
	*secur		
<dtissue< td=""><td></td><td><pre><idinfo\ <dataunit="" <sysinfo\<idinfo<="" pre="" type="ef:"></idinfo\></pre></td><td>fective date</td></dtissue<>		<pre><idinfo\ <dataunit="" <sysinfo\<idinfo<="" pre="" type="ef:"></idinfo\></pre>	fective date
	tsecur	<pre><dataunit %security<="" as="" for="" pre="" type="ef:"></dataunit></pre>	fective date

DETAIL REFERENCES

1.	doc status	- Redundant with <doctype></doctype>
	doc revno	- Number of times document revised
	doc chano	- Number of times document changed
2.	<pre><docno, <user<="" pre=""></docno,></pre>	- Both can be derived from either pubno or
		prepubno
3.	docclass	- Redundant with doc security
4.	tfmclass	- Redundant with <titlefrm and<="" security="" td=""></titlefrm>
		%security restric
5.	docuse	- Provides (For Official Use Only)
6.	doccopy	- Provides (Copy Out of)
7.	doctype	
8.	<type -<="" td=""><td></td></type>	
9.	<pre><seal cmdid<="" pre=""></seal></pre>	- CDM does not identify
10.	<notice< td=""><td></td></notice<>	
	type = fouo	- Data supplied by security - fouo
	type = pubby	- Data supplied by <docmfr< td=""></docmfr<>
11.	<phrase< td=""><td>- Data supplied by <dwngrd< td=""></dwngrd<></td></phrase<>	- Data supplied by <dwngrd< td=""></dwngrd<>
6. 7. 8. 9.	<pre>doccopy doctype <type <notice="" <seal="" cmdid="" type="pubby</pre"></type></pre>	- Provides (For Official Use Only) - Provides (Copy Out of) - Redundant (format) with <doc status="">? - Used in ITDS to identify equipment typ - CDM does not identify - Data supplied by security = fouo - Data supplied by <docmfr -="" <dwngrd<="" by="" data="" supplied="" td=""></docmfr></doc>

ITDS ELEMENT	ATTRIBUTE	-	DETAIL REFERENCE
<chgrec< td=""><td>%secur %bodyatt</td><td>CDM Derivable As for %security As for %bodyatt</td><td></td></chgrec<>	%secur %bodyatt	CDM Derivable As for %security As for %bodyatt	
<contents< td=""><td>*secur</td><td>CDM Derivable As for %security</td><td></td></contents<>	*secur	CDM Derivable As for %security	
<autotoc< td=""><td>elements num title page</td><td>CDM Derivable</td><td></td></autotoc<>	elements num title page	CDM Derivable	
color	%secur	CDM Derivable As for %security	
<autoloi< td=""><td>elements num title page</td><td>CDM Derivable</td><td></td></autoloi<>	elements num title page	CDM Derivable	
<tablist< td=""><td>*secur</td><td>CDM Derivable As for %security</td><td></td></tablist<>	*secur	CDM Derivable As for %security	
<autolot< td=""><td>elements num title page</td><td>CDM Derivable</td><td></td></autolot<>	elements num title page	CDM Derivable	
<warnsum< td=""><td>%secur %bodyatt</td><td>CDM Derivable As for %security As for %bodyatt</td><td></td></warnsum<>	%secur %bodyatt	CDM Derivable As for %security As for %bodyatt	
<safesum< td=""><td>%secur %bodyatt</td><td>CDM Derivable As for %security As for %bodyatt</td><td></td></safesum<>	%secur %bodyatt	CDM Derivable As for %security As for %bodyatt	
<howtouse< td=""><td>tsecur tbodyatt</td><td><pre><idinfo %bodyatt<="" %security="" as="" for="" pre="" type="howtous"></idinfo></pre></td><td>•</td></howtouse<>	tsecur tbodyatt	<pre><idinfo %bodyatt<="" %security="" as="" for="" pre="" type="howtous"></idinfo></pre>	•
<forward< td=""><td>%secur %bodyatt</td><td><pre><idinfo %bodyatt<="" %security="" as="" for="" pre="" type="forward"></idinfo></pre></td><td></td></forward<>	%secur %bodyatt	<pre><idinfo %bodyatt<="" %security="" as="" for="" pre="" type="forward"></idinfo></pre>	
<symsect< td=""><td>tsecur tbodyatt</td><td><sysinfo\<desc< td=""><td>2.</td></sysinfo\<desc<></td></symsect<>	tsecur tbodyatt	<sysinfo\<desc< td=""><td>2.</td></sysinfo\<desc<>	2.

1.3 Other Front Matter

Mark-up tags covered in this section deal with information identified as Front Matter. Front Matter consists of various paper manual constructs including Table of Contents (TOC), Lists of Illustrations (LOI), List of Effective Pages (LEP), etc. In general, the CDM does not contain equivalent commands for this type of information. The CDM derives compiled information based on the information obtained at each lower node.

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<chgsheet .<="" td=""><td><pre>\$secur \$bodyatt</pre></td><td><pre><dataunit %bodyatt<="" %security="" as="" for="" pre="" version=""></dataunit></pre></td><td></td></chgsheet>	<pre>\$secur \$bodyatt</pre>	<pre><dataunit %bodyatt<="" %security="" as="" for="" pre="" version=""></dataunit></pre>	
<lep< td=""><td>tsecur</td><td>CDM Derivable As for %security</td><td></td></lep<>	tsecur	CDM Derivable As for %security	
<autolep< td=""><td>lsecur</td><td>CDM perivable As for *security</td><td></td></autolep<>	lsecur	CDM perivable As for *security	
<pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre>	isecur ibodyatt	<pre><idinfo %bodyatt<="" %security="" as="" for="" pre="" type="promul"></idinfo></pre>	
<sigblk< td=""><td>type</td><td>Not Applicable</td><td>1.</td></sigblk<>	type	Not Applicable	1.
<pre><purpose< pre=""></purpose<></pre>	l secur	No Equivalent	1.
<signer< td=""><td>lsecur</td><td>No Equivalent</td><td>1.</td></signer<>	lsecur	No Equivalent	1.
<position< p=""></position<>	%secur	No Equivalent	1.
<organiz< td=""><td>lsecur</td><td>No Equivalent</td><td>1.</td></organiz<>	l secur	No Equivalent	1.
<address< td=""><td>%secur</td><td>No Equivalent</td><td>1.</td></address<>	%secur	No Equivalent	1.
<date< td=""><td>%secur</td><td>No Equivalent</td><td>1.</td></date<>	%secur	No Equivalent	1.

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<term< td=""><td></td><td><pre><dictitem\ <dataunit="" type="term</pre"></dictitem\></pre></td><td></td></term<>		<pre><dictitem\ <dataunit="" type="term</pre"></dictitem\></pre>	
	%secur	As for \security	
<pre><pre><pre><pre></pre></pre></pre></pre>		<idinfo type="prefac</td"><td>e</td></idinfo>	e
-	*secur	As for *security	
	%bodyatt	As for %bodyatt	
<intro< td=""><td></td><td><idinfo type="intro</td"><td></td></idinfo></td></intro<>		<idinfo type="intro</td"><td></td></idinfo>	
	%secur	As for *security	
	%bodyatt	As for %bodyatt	

DETAIL REFERENCES

- 1. sigblk
- CDM will know where to place a signature block; therefore, it does not need to identify it. However, to display the elements of the signature block, the CDM must store the data someplace. Suggest CDM add appropriate data units within idinfo to store such data.
- 2. symsect
- appropriate data unit type must be added

1.4 Paragraphs, Headings, and Text

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<pre><chapter< pre=""></chapter<></pre>	%secur %bodyatt	<pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre>	
<title< td=""><td>%secur</td><td><pre><datalink %security<="" for="" linktype="As" pre=""></datalink></pre></td><td>title</td></title<>	%secur	<pre><datalink %security<="" for="" linktype="As" pre=""></datalink></pre>	title
<num< td=""><td>type figsheet xrefid</td><td>CDM Derivable</td><td></td></num<>	type figsheet xrefid	CDM Derivable	
<section< td=""><td>%secur %bodyatt</td><td><pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre></td><td></td></section<>	%secur %bodyatt	<pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre>	
<pre><para0< pre=""></para0<></pre>	%secur %bodyatt	<pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre>	
<subpara1< td=""><td>lsecur lbodyatt</td><td><pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre></td><td>,</td></subpara1<>	lsecur lbodyatt	<pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre>	,
<subpara2< td=""><td>isecur ibodyatt</td><td><pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre></td><td>·</td></subpara2<>	isecur ibodyatt	<pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre>	·
<subpara3< td=""><td>isecur ibodyatt</td><td><pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre></td><td></td></subpara3<>	isecur ibodyatt	<pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre>	
<subpara4< td=""><td>lsecur lbodyatt</td><td><pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre></td><td></td></subpara4<>	lsecur lbodyatt	<pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre>	
<subpara5< td=""><td>%secur %bodyatt</td><td><pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre></td><td></td></subpara5<>	%secur %bodyatt	<pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre>	
<pre><runtext< pre=""></runtext<></pre>	%secur %bodyatt	<pre><textunit %bodyatt<="" %security="" as="" for="" pre=""></textunit></pre>	
<text1< td=""><td>%secur %bodyatt</td><td><pre><textunit %bodyatt<="" %security="" as="" for="" pre=""></textunit></pre></td><td></td></text1<>	%secur %bodyatt	<pre><textunit %bodyatt<="" %security="" as="" for="" pre=""></textunit></pre>	

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<text2< td=""><td>%secur %bodyatt</td><td><pre><textunit %bodyatt<="" %security="" as="" for="" pre=""></textunit></pre></td><td></td></text2<>	%secur %bodyatt	<pre><textunit %bodyatt<="" %security="" as="" for="" pre=""></textunit></pre>	
<pre><paratxt1< pre=""></paratxt1<></pre>	<pre>%secur %bodyatt</pre>	<pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre>	
<pre><paratxt2< pre=""></paratxt2<></pre>	%secur %bodyatt	<pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre>	
<pre><paratxt3< pre=""></paratxt3<></pre>	%secur %bodyatt	<pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre>	
<pre><paratxt4< pre=""></paratxt4<></pre>	%secur %bodyatt	<pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre>	
<pre><paratxt5< pre=""></paratxt5<></pre>	%secur %bodyatt	<pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre>	
<pre><paratxt6< pre=""></paratxt6<></pre>	%secur %bodyatt	<pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre>	
<pre><paratxt7< pre=""></paratxt7<></pre>	%secur %bodyatt	<pre><dataunit %bodyatt<="" %security="" as="" for="" level="" pre=""></dataunit></pre>	
<pgno< td=""><td>lsecur</td><td>Not Applicable As for *security</td><td>1.</td></pgno<>	l secur	Not Applicable As for *security	1.

DETAIL REFERENCES

1. <pgno - CDM will supply all page numbering

1.5 Illustrations/Figures

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<figure< td=""><td><pre>\$secur \$applic \$bodyatt type</pre></td><td>CDM Derivable As for %security As for %applic As for %bodyatt</td><td></td></figure<>	<pre>\$secur \$applic \$bodyatt type</pre>	CDM Derivable As for %security As for %applic As for %bodyatt	
<graphic< td=""><td>%secur boardno width depth window rotations segment name coord type</td><td><pre><graph2d %ids="" %security="" -="" applicable="" as="" discorient="" for="" name="" not="" pixrange="" pre="" srcgraph="" type<=""></graph2d></pre></td><td>l. uss</td></graphic<>	%secur boardno width depth window rotations segment name coord type	<pre><graph2d %ids="" %security="" -="" applicable="" as="" discorient="" for="" name="" not="" pixrange="" pre="" srcgraph="" type<=""></graph2d></pre>	l. uss
<graphlit< td=""><td><pre>\$color boardno segment flashing</pre></td><td>Not Applicable</td><td>2.</td></graphlit<>	<pre>\$color boardno segment flashing</pre>	Not Applicable	2.
<graphmac< td=""><td>isecur name boardno segment coord window type</td><td><pre><graph2d %ids="" %security="" applicable="" as="" for="" name="" not="" pre="" srcgraph="" type<=""></graph2d></pre></td><td>1.</td></graphmac<>	isecur name boardno segment coord window type	<pre><graph2d %ids="" %security="" applicable="" as="" for="" name="" not="" pre="" srcgraph="" type<=""></graph2d></pre>	1.
<legend< td=""><td>*secur</td><td><table \secur<="" as="" for="" td=""><td></td></table></td></legend<>	*secur	<table \secur<="" as="" for="" td=""><td></td></table>	
<legitem< td=""><td>*secur</td><td><pre><table\<entry %secur<="" as="" for="" pre=""></table\<entry></pre></td><td></td></legitem<>	*secur	<pre><table\<entry %secur<="" as="" for="" pre=""></table\<entry></pre>	

DETAIL REFERENCES

- Datalogics to analyze and provide capability
 CDM does not maintain output format data 1. window
- 2. <graphlit

1.6 Warnings, Cautions, Notes, and Footnotes

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<warning< td=""><td>%secur vital type xrefid</td><td><pre><datalink %security="" <dataunit="" applicable="" as="" for="" linkid<="" linktype="warning" not="" pre="" type="warni"></datalink></pre></td><td>1. ing</td></warning<>	%secur vital type xrefid	<pre><datalink %security="" <dataunit="" applicable="" as="" for="" linkid<="" linktype="warning" not="" pre="" type="warni"></datalink></pre>	1. ing
<caution< td=""><td>%secur type xrefid</td><td><pre><datalink %security="" <dataunit="" as="" for="" linkid<="" linktype="caution" pre="" type="cauti"></datalink></pre></td><td>ion</td></caution<>	%secur type xrefid	<pre><datalink %security="" <dataunit="" as="" for="" linkid<="" linktype="caution" pre="" type="cauti"></datalink></pre>	ion
<note< td=""><td>%secur type xrefid</td><td><pre><datalink <dataunit="" as="" for="" isecurity="" linkid<="" linktype="note" pre="" type="note"></datalink></pre></td><td></td></note<>	%secur type xrefid	<pre><datalink <dataunit="" as="" for="" isecurity="" linkid<="" linktype="note" pre="" type="note"></datalink></pre>	
<ftnotest< td=""><td>%secur %bodyatt mark type</td><td><pre><datalink %bodyatt="" %secur="" as="" cdm="" derivable="" derivable<="" for="" linktype="f" pre=""></datalink></pre></td><td>Etnote</td></ftnotest<>	%secur %bodyatt mark type	<pre><datalink %bodyatt="" %secur="" as="" cdm="" derivable="" derivable<="" for="" linktype="f" pre=""></datalink></pre>	Etnot e
<ftnotend< td=""><td><pre>\$secur \$bodyatt mark type</pre></td><td>No Equivalent</td><td></td></ftnotend<>	<pre>\$secur \$bodyatt mark type</pre>	No Equivalent	

DETAIL REFERENCES

1. <warning vital - All warnings are vital

1.7 Tables, Charts, and Lists

ITDS ELEMENT	ATTRIBUTE		DETAIL REFERENCE
<table< td=""><td>%secur %bodyatt %applic feature titleform ckmethod siderule colsep rowsep</td><td><pre></pre></td><td>1. 1. 1. 2. 2.</td></table<>	%secur %bodyatt %applic feature titleform ckmethod siderule colsep rowsep	<pre></pre>	1. 1. 1. 2. 2.
<colhddef< td=""><td>%colfmt</td><td><table\<colhddef %colfmt<="" as="" for="" td=""><td></td></table\<colhddef></td></colhddef<>	%colfmt	<table\<colhddef %colfmt<="" as="" for="" td=""><td></td></table\<colhddef>	
<colbddef< td=""><td>%colfmt enumeth</td><td>Not Applicable</td><td>3.</td></colbddef<>	%colfmt enumeth	Not Applicable	3.
<entry< td=""><td>isecur ibodyatt col row type rowsep rotate</td><td><pre><table\<entry %bodyatt="" %security="" applicable="" applicable<="" as="" col="" for="" not="" pre="" row=""></table\<entry></pre></td><td>4.</td></entry<>	isecur ibodyatt col row type rowsep rotate	<pre><table\<entry %bodyatt="" %security="" applicable="" applicable<="" as="" col="" for="" not="" pre="" row=""></table\<entry></pre>	4.
	isecur iapplic enumeth align char	<pre></pre>	5.
<smrcode< td=""><td></td><td><pre><sysinfo\<partdata\ <partbase="" type="smr</pre"></sysinfo\<partdata\></pre></td><td></td></smrcode<>		<pre><sysinfo\<partdata\ <partbase="" type="smr</pre"></sysinfo\<partdata\></pre>	
<item< td=""><td>lsecur lbodyatt</td><td><pre><table\<entry %bodyatt<="" %secur="" as="" for="" pre=""></table\<entry></pre></td><td></td></item<>	lsecur lbodyatt	<pre><table\<entry %bodyatt<="" %secur="" as="" for="" pre=""></table\<entry></pre>	
<refdes< td=""><td>lsecur</td><td><pre><sysinfo\<partdata\ %security<="" <ipb\<mpl\<partinfo="" as="" designator="" for="" pre="" reference="" ty=""></sysinfo\<partdata\></pre></td><td>pe =</td></refdes<>	l secur	<pre><sysinfo\<partdata\ %security<="" <ipb\<mpl\<partinfo="" as="" designator="" for="" pre="" reference="" ty=""></sysinfo\<partdata\></pre>	pe =
	%secur	Not Applicable	6.

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<tab< td=""><td>char position</td><td>Not Applicable</td><td>7.</td></tab<>	char position	Not Applicable	7.

DETAIL REFERENCE

DETAIL REFERENCE					
1.	<table< td=""><td></td><td></td><td>Is valid for feature, titleform and ckmethod? (May Be Derivable)</td></table<>			Is valid for feature, titleform and ckmethod? (May Be Derivable)	
2.	<table< td=""><td>siderule colsep rowsep</td><td></td><td>CDM does not maintain output format data</td></table<>	siderule colsep rowsep		CDM does not maintain output format data	
3.	<colbdd< td=""><td>ief</td><td>-</td><td>CDM does not maintain output format data</td></colbdd<>	ief	-	CDM does not maintain output format data	
4.	<entry< td=""><td>type rowsep rotate</td><td></td><td>CDM does not maintain output format data</td></entry<>	type rowsep rotate		CDM does not maintain output format data	
5.	<list< td=""><td>enumeth align char</td><td></td><td>Lists within the CDM are treated as tables consisting of one column. CDM does not maintain output format data</td></list<>	enumeth align char		Lists within the CDM are treated as tables consisting of one column. CDM does not maintain output format data	
6.			-	CDM does not maintain output format data	
7.	<tab< td=""><td></td><td>-</td><td>CDM does not maintain output format data</td></tab<>		-	CDM does not maintain output format data	

1.8 Rear Matter

1.0			
ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<appendix< td=""><td><pre>\$secur \$bodyatt</pre></td><td>CDM Derivable</td><td></td></appendix<>	<pre>\$secur \$bodyatt</pre>	CDM Derivable	
<ftnsec< td=""><td><pre>\$secur \$bodyatt</pre></td><td>CDM Derivable As for \security As for \bodyatt</td><td></td></ftnsec<>	<pre>\$secur \$bodyatt</pre>	CDM Derivable As for \security As for \bodyatt	
<glossary< td=""><td>%secur %bodyatt</td><td>CDM Derivable As for \security As for \bodyatt</td><td></td></glossary<>	%secur %bodyatt	CDM Derivable As for \security As for \bodyatt	
<index< td=""><td>lsecur lbodyatt</td><td>Not Applicable As for *security As for *bodyatt</td><td>1.</td></index<>	lsecur lbodyatt	Not Applicable As for *security As for *bodyatt	1.
<indxflag< td=""><td>refl ref2 ref3 ref4 %secur</td><td>Not Applicable</td><td>1.</td></indxflag<>	refl ref2 ref3 ref4 %secur	Not Applicable	1.
<foldout< td=""><td>isecur ibodyatt width depth</td><td>Not Applicable</td><td></td></foldout<>	isecur ibodyatt width depth	Not Applicable	
<autoindx< td=""><td>elements indxflag num title page</td><td>CDM Derivable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable</td><td>1.</td></autoindx<>	elements indxflag num title page	CDM Derivable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	1.
<ddsheet< td=""><td>\secur \\ \bodyatt</td><td>Not Applicable</td><td>2.</td></ddsheet<>	\secur \\ \bodyatt	Not Applicable	2.

- 1. Indexing CDM will derive data to be included in an index. Appropriate level identification (such as elements = chapter/section/para/page = 1/0/1) will be known and included by the system.
- 2. <foldout CDM does not maintain output format data
 3. <ddsheet All changes will be incorporated in the CDM version of documents

1.9 Special/Foreign Language Characters

The CDM does not currently allow for the capability to specify or store special character information. Special character information consists of symbols (i.e. arrows, bullets, superscripts, etc.) and foreign language characters. The process of adding these capabilities is in progress.

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<splchar< td=""><td>type</td><td>No Equivalent</td><td></td></splchar<>	type	No Equivalent	
<subscrpt< td=""><td>lsecur</td><td>No Equivalent</td><td></td></subscrpt<>	lsecur	No Equivalent	
<supscrpt< td=""><td>%secur</td><td>No Equivalent</td><td></td></supscrpt<>	%secur	No Equivalent	
<pre><speclang< pre=""></speclang<></pre>	type	No Equivalent	

1.10 Automatic Text, Illustration and Table Numbering

CDM will apply appropriate numbering methodologies (arabic, roman numerals, alphabetic, etc.) for every section of a document.

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<enumdef< td=""><td>method type element</td><td>Not Applicable</td><td></td></enumdef<>	method type element	Not Applicable	
<enumrst< td=""><td>method</td><td>Not Applicable</td><td></td></enumrst<>	method	Not Applicable	
<enumrend< td=""><td>method</td><td>Not Applicable</td><td></td></enumrend<>	method	Not Applicable	

1.11 Automatic Page Numbering and Page Breaks

Enumeration definitions within ITDS is used for identification of page numbering schemes (i.e. roman numerals, arabic, etc.) and automatic paging. All of these features are derived within CDM.

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<enpgdef< td=""><td>method type model</td><td>Not Applicable</td><td></td></enpgdef<>	method type model	Not Applicable	
<enpgst< td=""><td>method</td><td>Not Applicable</td><td></td></enpgst<>	method	Not Applicable	
<enpgend< td=""><td>method</td><td>Not Applicable</td><td></td></enpgend<>	method	Not Applicable	
<pre><pgintst< pre=""></pgintst<></pre>	number cngno tsecur	Not Applicable	
<pre><pgintend< td=""><td>number cngno tsecur</td><td>Not Applicable</td><td></td></pgintend<></pre>	number cngno tsecur	Not Applicable	

1.12 Marginal Copy

CDM will include appropriate data(pubnos, pgnos, etc.) within margins (in proper locations) as required.

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<marginal< td=""><td><pre>%secur %applic status location element type %emph</pre></td><td>Not Applicable</td><td></td></marginal<>	<pre>%secur %applic status location element type %emph</pre>	Not Applicable	

1.13 Entity Definition and Use

DETAIL CDM ATTRIBUTE EQUIVALENT REFERENCE ITDS ELEMENT

<!ENTITY x "char. string" <textunit id = x</pre>

<datalink &x; linktype = appropriate branchid = x

2.0 ITDS Mark-Up Codes - Appendix B2

The SGML mark-up codes provided in this appendix are intended to supplement the codes for electronic and printed output included in Appendix Bl. The codes found in this appendix are intended primarily for use in the electronic display of documents.

2.1 Associations

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<assocst< td=""><td>%secur content viewtype xrefid</td><td>Not Applicable</td><td>1.</td></assocst<>	%secur content viewtype xrefid	Not Applicable	1.
<assocend< td=""><td></td><td>Not Applicable</td><td></td></assocend<>		Not Applicable	

DETAIL REFERENCE

1. associations - CDM does not maintain output format data

2.2 Viewports

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<viewdef< td=""><td>name coord device viewtype</td><td>Not Applicable</td><td>1.</td></viewdef<>	name coord device viewtype	Not Applicable	1.
<viewadd< td=""><td>name</td><td>Not Applicable</td><td>1.</td></viewadd<>	name	Not Applicable	1.
<viewflod< td=""><td>%color shade</td><td>Not Applicable</td><td>1.</td></viewflod<>	%color shade	Not Applicable	1.
<viewdel< td=""><td>text graphic</td><td>Not Applicable</td><td>1.</td></viewdel<>	text graphic	Not Applicable	1.

DETAIL REFERENCES

1. viewports - CDM does not maintain output format data

2.3 Graphic Callouts

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<callout< td=""><td>label select figxref</td><td>No Equivalent</td><td>1.</td></callout<>	label select figxref	No Equivalent	1.
<calltdef< td=""><td>label figxref graphic</td><td>No Equivalent</td><td>2.</td></calltdef<>	label figxref graphic	No Equivalent	2.

1.	callout	 Textual reference to item in a figure or graphic
2.	calltdef	 Defines a callout so that when the system reaches text containing the callout it knows which figure or graphic to display.

2.4 Branching

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
 branch	type branchid input previous tapplic dcono	<pre>%links <step %applic="" as="" equivalent="" exrefid<="" for="" linkid="" no="" pre="" reqtype=""></step></pre>	1.2.
	assoc xrefid label	No Equivalent xrefid or branchid No Equivalent	3.
 branchdf	prompt	No Equivalent <datalink linktype="</td"><td>4.</td></datalink>	4.
	coordin echo time length end rectime recinput source recattmp delspace delperid delpunct revision replace recnum numattmp exactans	prompt No Equivalent	5.
<store< td=""><td>entity</td><td>No Equivalent</td><td>6.</td></store<>	entity	No Equivalent	6.

- 1. input Used in ITDS to specify user required input.

 If input is defined to be data, conditional branching can be specified which is comparable to the CDM rulelog attribute.
- comparable to the CDM rulelog attribute.

 2. previous ITDS specification of previous branches. CDM implementation uses the sequence attribute to allow for specification of any branching sequences.
- 3. xrefid CDM uses xrefid if branching to another dataunit and branchid if branching to another conditional branch.
- 4. <branchdf ITDS element which defines branch capabilities. CDM branching capabilities are defined as part of the CDM model.
 5. source ITDS specification for the source of input
- 5. source ITDS specification for the source of input as keyboard ATE touchpanel etc. No apparent method within CDM to allow for this type of specification.
- 6. <store Element within ITDS used to store user input values. Done automatically within CDM.

2.5 Interrupt, Jump, and Return

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<pre><interupt< pre=""></interupt<></pre>		Not Applicable	1.
<jumpout< td=""><td>doc assoc xrefid label</td><td>Not Applicable</td><td>2.</td></jumpout<>	doc assoc xrefid label	Not Applicable	2.
<return< td=""><td>loc</td><td>%links rulelog</td><td></td></return<>	loc	%links rulelog	

DETAIL REFERENCES

CDM system will automatically wait for user input.CDM will not "run" other programs 1. <interupt

2. <jumpout

2.6 Highlights, Emphasis Codes, Change and Emergency Information, and Global Definitions

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<chgst< td=""><td>level status mark %secur</td><td><pre><dataunit %security<="" applicable="" as="" for="" level="" not="" pre="" version=""></dataunit></pre></td><td>1.</td></chgst<>	level status mark %secur	<pre><dataunit %security<="" applicable="" as="" for="" level="" not="" pre="" version=""></dataunit></pre>	1.
<chgend< td=""><td>level status mark %secur</td><td>Not Applicable</td><td></td></chgend<>	level status mark %secur	Not Applicable	
<highlite< td=""><td>hrule hspace leader lftindnt linebrk newcol pgbrk primary rtindnt shfthorz shftvert vrule vspace</td><td>Not Applicable</td><td>2.</td></highlite<>	hrule hspace leader lftindnt linebrk newcol pgbrk primary rtindnt shfthorz shftvert vrule vspace	Not Applicable	2.
<emphst< td=""><td><pre>%applic %emph</pre></td><td>No Equivalent</td><td>3.</td></emphst<>	<pre>%applic %emph</pre>	No Equivalent	3.
<emphend< td=""><td><pre>%applic %emph</pre></td><td>No Equivalent</td><td></td></emphend<>	<pre>%applic %emph</pre>	No Equivalent	
<emgst< td=""><td></td><td>Not Applicable</td><td>4.</td></emgst<>		Not Applicable	4.
<emgend< td=""><td></td><td>Not Applicable</td><td></td></emgend<>		Not Applicable	

- 1. <chqst mark CDM does not maintain output format data
 2. <highlite CDM does not maintain output format data
 3. <emphst Material that is to be emphasized is
- Material that is to be emphasized is linked by a datalink with a specified priority. There is no need to identify a local section of emphasized material.

 Ouput Format Data.
- 4. <emgst

2.7 Video Disk

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<video< td=""><td>frames speed audio</td><td><pre><datalink applicable="" applicable<="" linktype="video" not="" pre=""></datalink></pre></td><td>1.</td></video<>	frames speed audio	<pre><datalink applicable="" applicable<="" linktype="video" not="" pre=""></datalink></pre>	1.

DETAIL REFERENCES

1. < video frames - CDM does not maintain ouptut format data speed audio</p>

2.8 Configuration

ITDS configuration coding allows the capability to store and retrieve groups of related data. CDM methodology allows the specification of configuration through the use of the %stats config attribute of the dataunit element. For more information about the use of configuration, reference section 2.3.4.

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<configid< td=""><td>type code</td><td><pre><dataunit applicable="" applicable<="" config="" not="" pre=""></dataunit></pre></td><td></td></configid<>	type code	<pre><dataunit applicable="" applicable<="" config="" not="" pre=""></dataunit></pre>	
<pre><configdf< pre=""></configdf<></pre>	type symbol output	Not Applicable	
<configst< td=""><td>type code</td><td>Not Applicable</td><td></td></configst<>	type code	Not Applicable	
<pre><configed< pre=""></configed<></pre>	type code	Not Applicable	

2.9 Standard Keys

This section contains data concerning keys to be used on the ITDS keyboard. This section does not apply to the comparison of how data is stored in the two systems.

2.10 Cross-Reference and Data Identification

ITDS ELEMENT	ATTRIBUTE	CDM EQUIVALENT	DETAIL REFERENCE
<pre><xref< pre=""></xref<></pre>	type docno assoc xrefid	<pre><datalink <datalink="" <maintinfo="" applicable="" id="" linkid<="" linktype="" not="" pre=""></datalink></pre>	1.2.
	text	<pre>linktype = table graph2d graph3d etc. <datalink linktype="prompt</pre"></datalink></pre>	3.
<dataiden< td=""><td>texttype %secur</td><td>As for \security</td><td>4.</td></dataiden<>	texttype %secur	As for \security	4.

	61
1. type	- type = figure text table
	possibly redundant with information in xrefid
2. docno	- Docno in ITDS specifies a cross-reference to
	another document. Assumed CDM cross-reference
	to alternative maintenance information.
3. text	- ITDS uses text as a specification for text
	that is to be highlited. CDM uses a textunit
	identifier for the actual text and is linked
	via the linktype specification.
4. texttype	e - Data identification information indicated by
• •	the ITDS Task Codes ("texttype") can be
	"mapped" into CDM format using the CDM
	information structures identified in section
	2.11.2
	Provides capability of multiple texttypes for
	a piece of text.
	a brece or cene.

2.11 Special Codes

Special codes within the ITDS are used to enable cross-referencing which is necessary for branching and query commands. These codes are used universally from document to document.

2.11.1 Document Structure Reference Codes

This list represenst the ITDS document structure codes identifying the major divisions of a document. These special number codes are coded in the reference numbers (xrefid) for the identified divisions.

NUMBE	R	DOCUMENT STRUCTURE
01		Title Page
02		List of Effective Pages
03		(Future Use)
04		Table of Contents
05		List of Illustrations
06		List of Tables
07		Forward, Introduction (Front Matter)
08		Chapter major division of manual
09		Section major division of manual
010		Part major division of manual
011		Illustration
012		Table
013		Appendix
014		Index
015		Legend of an Illustration
016		Footnote
017		Change Notice
018		Glossary
019		How to Use Document
020		Promulgation
021		Change Record
022		Difference Data Sheet
023		Abbreviations
024		Training Objective
025		Training Lesson
026		Training Test
027	and	Up (Future Use)

2.11.2 Task Numbers

Task codes are used to identify types of information found in headings, paragraphs, figures, tables, chapters, and sections of a document. The task code (texttype = n) is the main code specification within the %bodyatt attribute set.

NUMBER	TEXTTYPE	CDM EQUIVALENT
100 110	access	<desc td="" type="access" ways<=""></desc>
115 120	action adjust/align/calibrate	<pre><sysinfo\<function type="adjustment\alignment\</pre"></sysinfo\<function></pre>
130	administrative destruct	calibration
135	answer	
140	arrangement	<pre><desc type="arrangement</pre"></desc></pre>
150	assemble	<pre><sysinfo\<function type="disassembly\assembly</pre"></sysinfo\<function></pre>
160	automated test equipment	
170	procedures bonding	<pre><maintprc type="bonding</pre"></maintprc></pre>
180	CAUSE	<pre><sysinfo\<fltinfo\< pre=""></sysinfo\<fltinfo\<></pre>
	,	<faultiso\<statiso\< td=""></faultiso\<statiso\<>
		<symptom <causeby<="" td=""></symptom>
190	check list	(a
200	checkout	<pre><sysinfo\<fltinfo\ <faultiso\<dynaiso\<="" pre=""></sysinfo\<fltinfo\></pre>
		<pre><mdas\cmdasrect cproc<="" pre=""></mdas\cmdasrect></pre>
205	circuit breakers	(200 (02000000 opioo
210	clean	<pre><sysinfo\<function type="</pre"></sysinfo\<function></pre>
		cleaning
230	component description	
240 250	component locator component replacement	
	checks	
260	computer program flow charts	
270	computer program listings	
280	connector	<pre><maintprc type="</pre"></maintprc></pre>
290	consumable	<pre>connections <function\<task\< pre=""></function\<task\<></pre>
290	Consumable	<pre><consum< pre=""></consum<></pre>
300	consumable record	· · · · · · · · · · · · · · · · · · ·
305	corrective action	
310	danger area	<pre><desc areas<="" pre="" type="danger"></desc></pre>
315	date	
320	description	<desc< td=""></desc<>
330	detailed theory of	<pre><sysinfo\<desc type="</pre"></sysinfo\<desc></pre>
	operation	theory of operation
	-	-

NUMBER	TEXTTYPE	CDM EQUIVALENT
340	diagram	<pre><graph2d diagram<="" mode="station" pre=""></graph2d></pre>
360	disassemble	<pre><sysinfo\<function type="disassembly\assembly</pre"></sysinfo\<function></pre>
370	equipment record	
380	fastener	<pre><maintprc type="fastener</pre"></maintprc></pre>
390	fault description	<pre><sysinfo\<fltinfo\ <fltdesc<="" pre=""></sysinfo\<fltinfo\></pre>
400	fault index	
410	fault isolation index	
420	follow-on maintenance	
430	function	<pre><sysinfo\<function< pre=""></sysinfo\<function<></pre>
435	functional diagram	<graph2d track="</td"></graph2d>
		illustration
440	general information	<sysinfo\<idinfo< td=""></sysinfo\<idinfo<>
450	general procedure or	
	operational checkout	
460	Government standard	<pre><sysinfo\<function\<task\< pre=""></sysinfo\<function\<task\<></pre>
		<pre><input\<consu\<dataunit< pre=""></input\<consu\<dataunit<></pre>
		type = govtstd
470	grounding	
480	illustrated parts	<sysinfo\<partdata\<ipb< td=""></sysinfo\<partdata\<ipb<>
	breakdown	
485	indication	
490	initial date	
500	in-process inspection	<pre><step ipi<="" pre=""></step></pre>
510	in-process inspection	<pre><function\<task\<genipi< pre=""></function\<task\<genipi<></pre>
	code	type = ipic
520	input conditions	tourinfol (franchion home
530	inspect	<pre><sysinfo\<function type="</pre"></sysinfo\<function></pre>
5.40	2 m m h n 1 1	scheduled inspection
540	install	<pre><sysinfo\<function type="install</pre"></sysinfo\<function></pre>
5 A S	International Standard	install
545	Information	
EEO	leveling	<pre><function type="leveling</pre"></function></pre>
550	tevering	and weighing
560	lifting and charing	<pre><function type="lifting</pre"></function></pre>
560	lifting and shoring	and shoring
	line item eurber	and shoring
565	line item number local manufacture	
570		
575	logistics control number	•
580	lubricate	<pre><sysinfo\<function type="</pre"></sysinfo\<function></pre>
		lubricating
590	maintenance	
600	maintenance parts list	<pre><sysinfo\<partdata\<mpl< pre=""></sysinfo\<partdata\<mpl<></pre>
610	manufacturer's code	<pre><sysinfo\<function\<task\< pre=""></sysinfo\<function\<task\<></pre>
		<pre><input\<consum\<dataunit< pre=""></input\<consum\<dataunit<></pre>
		type = mfrcode

NUMBER	TEXTTYPE	CDM EQUIVALENT
615	manufacturer	<pre><sysinfo\<idinfo type="manufacturer</pre"></sysinfo\<idinfo></pre>
620	master input conditions	<pre><sysinfo\<function\<task\ <input<="" pre=""></sysinfo\<function\<task\></pre>
623	material name	•
626	material number	
630	materials information	
632	measurement	
634	model name	
635 637	model number national stock number	/function\/took\/comin
637	nacional scock number	<pre><function\<task\<equip type="nsn</pre"></function\<task\<equip></pre>
640	nomenclature	<pre><sysinfo\<idinfo< pre=""></sysinfo\<idinfo<></pre>
645	objective	(3)31210 ((101010
650	overhaul	
670	pack	•
675	page number	
680	parking and mooring	<pre><function type="parking</pre"></function></pre>
		and mooring
690	part description	<pre><sysinfo\<partdata< pre=""></sysinfo\<partdata<></pre>
700	parts list	<pre><sysinfo\<partdata\<mpl< pre=""></sysinfo\<partdata\<mpl<></pre>
704	part name	<pre><sysinfo\<partdata\<mpl\< pre=""></sysinfo\<partdata\<mpl\<></pre>
		<pre><partinfo type="noun</pre"></partinfo></pre>
	. K	identifier
705	part number	<pre><sysinfo\<partdata\< pre=""></sysinfo\<partdata\<></pre>
		<pre><partbase number<="" pre="" type="part"></partbase></pre>
710	nerennel	
710 720	personnel pictorial view	<pre><function\<task\<personnl <graph2d<="" pre=""></function\<task\<personnl></pre>
730	placards and marking	<pre><function type="placards</pre"></function></pre>
730	pracards and marking	and markings
740	preparation for	<pre><sysinfo\<fltinfo\<test\< pre=""></sysinfo\<fltinfo\<test\<></pre>
	maintenance	<stepgrp type="</td"></stepgrp>
		preparatory
750	preparation, follow-on	
	maintenance	
753	question	
756	reference designator	<pre><sysinfo\<partdata\<ipb\< pre=""></sysinfo\<partdata\<ipb\<></pre>
		<mpl <partinfo="" type="</td"></mpl>
		reference designator
760	required conditions	<function\<task\<reqcond< td=""></function\<task\<reqcond<>
770	rebuild	
780	receive	(auginfa) (function time -
790	remove	<pre><sysinfo\<function type="removal\install</pre"></sysinfo\<function></pre>
900	ranair	<pre><sysinfo\<function type="</pre"></sysinfo\<function></pre>
800	repair	repair
910	replace	reharr
810 820	safety summary	
830	schematic diagram	<pre><graph2d mode="schematic</pre"></graph2d></pre>
0.50	senemate decisem	. Jembura mada - acutamata

NUMBER	TEXTTYPE	CDM EQUIVALENT
840	servicing	<pre><function type="servicing</pre"></function></pre>
845	serial number	
850	set-up	
855	smr code	<sysinfo\<partdata\< td=""></sysinfo\<partdata\<>
		<pre><partbase type="smr</pre"></partbase></pre>
860	special instructions	<pre><sysinfo\<fltinfo\<test\< pre=""></sysinfo\<fltinfo\<test\<></pre>
		<step specinstr<="" td=""></step>
870	special tools information	<function\<task\<equip< td=""></function\<task\<equip<>
		type = special tools
873	SSSN	
876	special tool name	
877	special tool number	
880	stow	
890	symbols	
900	system description	<pre> </pre> <pre> <pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>
910	system tie-in information	
920	tcto	
925	tcto number (time	
	compliance technical order)
930	tcto record	
935	test	<sysinfo\<fltinfo\<test< td=""></sysinfo\<fltinfo\<test<>
		type = test
940	test equipment information	<pre><function\<task\< pre=""></function\<task\<></pre>
		<equip type="test</td"></equip>
		equipment
941	test equipment name	
942	test equipment number	
943	test question	
946	theory of operation	<pre><sysinfo\<desc type="</pre"></sysinfo\<desc></pre>
	. •	theory of operation
947	tool name	
948	tool number	
949	torque value	<pre><maintprc type="torque</pre"></maintprc></pre>
950	towing and taxiing	<function type="towing</td"></function>
_		and taxiing
955	transport	
960	troubleshooting or	<pre><sysinfo\<fltinfo\< pre=""></sysinfo\<fltinfo\<></pre>
	fault isolation	<faultiso< td=""></faultiso<>
965	unpack	
970	usability information	<pre><sysinfo\<idinfo type="</pre"></sysinfo\<idinfo></pre>
		usability information
975	vehicle description	<pre><desc type="arrangement</pre"></desc></pre>
980	walkways	<pre><desc type="walkways</pre"></desc></pre>
985	wiring diagram	<pre><graph2d mode="wire</pre"></graph2d></pre>
990	wiring list	
993	wiring procedures	<pre><maintprc type="wiring</pre"></maintprc></pre>
	_	procedures
997	work cards	

APPENDIX B

CDM/ITDS COMPARISON STUDY

The results of the CDM and the ITDS comparative analysis, using the CDM as the baseline for comparison, are detailed in this section.

APPENDIX B

Table of Contents

Section										Page				
1.0	Attribute Sets.							•						55
	CDM Elements													

1.0 Attribute Set

ATTRIBUTE SET	ATTRIBUTE	ITDS EQUIVALENT	DETAIL REFERENCE
%yesorno		%yesorno	
%applinks			1.
%ids	id	%xref xrefid	
*secur	security restrict release codeword scilevel diglyph	%security security restrict release codeword scilevel diglyph	
<pre>\$stats (%bodyat</pre>	t) valstat verstat config security track version	<pre>%bodyatt %bodyatt val %bodyatt verif <configid %secur="" <chgno<="" <config="" <revnum,="" as="" for="" pre="" track=""></configid></pre>	
%xrefs	xrefid exrefid xreftype	<pre><xref <xref="" docno,assoc,xre="" pre="" type<="" xrefid,assoc=""></xref></pre>	2. fid
% text		No Equivalent	
%content	sssn level type refdes nature	<refdes %bodyatt form</refdes 	3.

ATTRIBUTE SET	ATTRIBUTE	ITDS EQUIVALENT	DETAIL REFERENCE
ATTRIBUTE GET			
%links	linkid linktype	<pre><branch branchid<="" pre=""></branch></pre>	4.
	title	<subject< td=""><td></td></subject<>	
	text	<text1, <runte<="" <text2,="" td=""><td>ext</td></text1,>	ext
	training		
	warning	<warning< td=""><td></td></warning<>	
	caution	<caution< td=""><td></td></caution<>	
	note	<note td="" <=""><td></td></note>	
	graph2d	<graphic< td=""><td></td></graphic<>	
	graph3d	<graphic< td=""><td></td></graphic<>	
	table	<pre><table< pre=""></table<></pre>	
	prompt	<pre><branchdf pre="" prompt<=""></branchdf></pre>	
	eval	<pre><branch pre="" previous<=""></branch></pre>	
	audio	<pre><video audio<="" pre=""></video></pre>	
	bitmap	No Equivalent	
	video	<pre><video< pre=""></video<></pre>	
	anim	No Equivalent	
	software	<jumpout< td=""><td></td></jumpout<>	
	tapplinks	chronek time - data	
	value	<pre><branch <bra="" type="data"><branch pre="" xrefid<=""></branch></branch></pre>	
	branchid	<pre></pre>	
	rulelog brex	No Return Needed	
	exbrex	No Return Needed	
	exbrret	_	
	brexret	loc = repeat	
	and	loc = next	
		No Equivalence	5.
	sequence priority	temph	

- 1. %applinks What is it?
- 2. Exrefs xreftype CDM identifies type of element ITDS identifies type of document structure
- - type ITDS models most CDM dataunit types as distinct tags or with appropriate three digit texttype codes
 - e.g. CDM <idinfo\<dataunit type = modelno
 ITDS <modelno
 CDM <desc\<dataunit type = walkways
 ITDS <textX texttype = 980</pre>
- 4. %links There are fundamental differences in the way branching is done in ITDS and CDM. Reference Section 2.1.1.
- 5. %links sequence ITDS assumes decision/branch to be completed in the same order as which they appear.

2.0 CDM Elements

Where applicable, all possible types of dataunits within a tag have been listed below the tag.

CDM ELEMENT	ATTRIBUTE	ITDS EQUIVALENT	DETAIL REFERENCE
<maintinf< td=""><td>%ids %content</td><td>CDM Content Division As for %ids As for %content</td><td></td></maintinf<>	%ids %content	CDM Content Division As for %ids As for %content	
<contstrc< td=""><td>%ids %content</td><td>CDM Content Division As for %ids As for %content</td><td></td></contstrc<>	%ids %content	CDM Content Division As for %ids As for %content	
<pre><idinfo <datauni<="" pre=""></idinfo></pre>	nomen	CDM Content Division As for %ids As for %content %bodyatt form <nomen< td=""><td></td></nomen<>	
	mfr contrno modelno orig rel dat late chg dat maint level seriaIno distrib use info pubno prepubno effdate supersedure auth	<pre><chgdate %secur="" <maintlv1="" <pre="" <pubno="" <serno="" release="" texttype="970">cpubno <notice <dtissue="" <notice="" <signer<="" pre="" type="author:"></notice></chgdate></pre>	edure
<desc< td=""><td>%ids %content nature t type arrang wlkwys accsswy dgrarea</td><td>CDM Content Division As for %ids As for %content %bodyatt form texttype = 140 texttype = 980 texttype = 110 texttype = 310</td><td>٠.</td></desc<>	%ids %content nature t type arrang wlkwys accsswy dgrarea	CDM Content Division As for %ids As for %content %bodyatt form texttype = 140 texttype = 980 texttype = 110 texttype = 310	٠.

CDM ELEMENT	ATTRIBUTE	ITDS EQUIVALENT	DETAIL REFERENCE
<maintprc< td=""><td>%ids %content nature</td><td>CDM Content Division As for %ids As for %content %bodyatt form</td><td></td></maintprc<>	%ids %content nature	CDM Content Division As for %ids As for %content %bodyatt form	
<datauni< td=""><td></td><td></td><td>•</td></datauni<>			•
		texttype = 993	
		texttype = 170	
		texttype = 949	
		texttype = 380	
	connect	texttype = 280	
<function< td=""><td></td><td>CDM Content Division</td><td></td></function<>		CDM Content Division	
Crunction	%ids	As for %ids	
	%content	As for %content	
<datauni< td=""><td></td><td></td><td></td></datauni<>			
(00000	lift&shore	texttype = 560	
	lvl&weigh	texttype = 550	
	towetaxi	texttype = 950	
	park&moor	texttype = 680	
		texttype = 730	
	servicing	texttype = 840	
<task< td=""><td>مديه</td><td>CDM Content Division</td><td></td></task<>	مديه	CDM Content Division	
	%ids	As for %ids As for %content	
	%content	AS TOT &CONCERC	
<genipi< td=""><td></td><td>CDM Content Division</td><td></td></genipi<>		CDM Content Division	
(denth.	%ids	As for %ids	
	%content	As for %content	
	nature	%bodyatt form	
		-	
<pre><input< pre=""></input<></pre>		CDM Content Division	
	%ids .	As for lids	
	%content	As for *content	
	nature	%bodyatt form	
<datauni< td=""><td></td><td>tevttune = 820</td><td></td></datauni<>		tevttune = 820	
	safty conds confg conds	texttype = 820 <configid< td=""><td></td></configid<>	
	supprt data		
	torque vals	texttype = 949	
	400440	001100220	
<equip< td=""><td></td><td>CDM Content Division</td><td>1.</td></equip<>		CDM Content Division	1.
- -	%ids	As for %ids	
	%content	As for %content	
	equipid	·	
	altegids		
	config	configst/configend	
المستماعية والمساورة	nature	%bodyatt form	
<datauni< td=""><td>* · ·</td><td>taxttuna - 640</td><td></td></datauni<>	* · ·	taxttuna - 640	
	nomen	texttype = 640	

CDM ELEMENT	ATTRIBUTE	ITDS EQUIVALENT	DETAIL REFERENCE
<consum< td=""><td>%ids %content nature</td><td>CDM Content Division As for %ids As for %content %bodyatt form</td><td>2.</td></consum<>	%ids %content nature	CDM Content Division As for %ids As for %content %bodyatt form	2.
<dataur< td=""><td>nit type nomen mrfcode gvtstnd quantity</td><td>texttype = 640 texttype = 610 texttype = 460 texttype = NEW</td><td></td></dataur<>	nit type nomen mrfcode gvtstnd quantity	texttype = 640 texttype = 610 texttype = 460 texttype = NEW	
<reqcond< td=""><td>%ids %content nature</td><td>CDM Content Element As for %ids As for %content %bodyatt form</td><td>3.</td></reqcond<>	%ids %content nature	CDM Content Element As for %ids As for %content %bodyatt form	3.

- 1. equip type test eqp texttype = 940, 941, 942 spec1 tools texttype = 870, 876, 877
- grnd hdlg eqp

 2. consum type expend itms
 support mtrl
 attchng hdwe
- 3. requond type aircraft safe for maintenance aircraft on jacks

CDM ELEMENT	ATTRIBUTE	ITDS EQUIVALENT	DETAIL REFERENCE
<personnl< td=""><td>%ids number nature</td><td>texttype = 710 As for %ids texttype = NEW %bodyatt form</td><td></td></personnl<>	%ids number nature	texttype = 710 As for %ids texttype = NEW %bodyatt form	
<stepgrp< td=""><td>%ids %content</td><td>CDM Content Division As for %ids As for %content</td><td></td></stepgrp<>	%ids %content	CDM Content Division As for %ids As for %content	
<step< td=""><td>ipi person %ids %content specinstr reqtype verb nature</td><td>CDM Content Division texttype = 500 texttype = 710 As for %ids As for %content texttype = 860 <branch type="select<br">Various texttypes %bodyatt form</branch></td><td> menu</td></step<>	ipi person %ids %content specinstr reqtype verb nature	CDM Content Division texttype = 500 texttype = 710 As for %ids As for %content texttype = 860 <branch type="select<br">Various texttypes %bodyatt form</branch>	menu
<endcond< td=""><td>%ids %content nature</td><td>CDM content Division As for %ids As for %content %bodyatt form</td><td></td></endcond<>	%ids %content nature	CDM content Division As for %ids As for %content %bodyatt form	
<followon< td=""><td>lids lcontent nature</td><td>CDM Content Division As for %ids As for %content %bodyatt form</td><td></td></followon<>	lids lcontent nature	CDM Content Division As for %ids As for %content %bodyatt form	
<sysinfo< td=""><td>lids lcontent</td><td>CDM Content Division As for %ids As for %content</td><td></td></sysinfo<>	lids lcontent	CDM Content Division As for %ids As for %content	
<sysinfo\<id< td=""><td>linfo lids lcontent nature</td><td>CDM Content Division As for %ids As for %content %bodyatt form</td><td></td></sysinfo\<id<>	linfo lids lcontent nature	CDM Content Division As for %ids As for %content %bodyatt form	
<sysinfo\<de< td=""><td>lids lcontent nature type</td><td>CDM Content Division As for %ids As for %content %bodyatt form texttype = 946</td><td></td></sysinfo\<de<>	lids lcontent nature type	CDM Content Division As for %ids As for %content %bodyatt form texttype = 946	
	symsect	<symsect< td=""><td></td></symsect<>	

CDM ELEMENT	ATTRIBUTE	ITDS EQUIVALENT	DETAIL REFERENCE
<sysinfo\<fr< td=""><td>inction %ids %content</td><td>CDM Content Division As for %ids As for %content</td><td></td></sysinfo\<fr<>	inction %ids %content	CDM Content Division As for %ids As for %content	
<datauni< td=""><td></td><td></td><td></td></datauni<>			
	adjustment	texttype = 120	
	alignment	texttype = 120	
	calibration	texttype = 120	
	disassemble	texttype = 360	
	assemble	texttype = 150	
	remove	texttype = 790	
	install	texttype = 540	
	repair	texttype = 800	
	cleaning	texttype = 210	
	lubricating	texttype = 580	
	servicing	texttype = 840	
	sched inspect	texttype = 530	
<pre><partdata< pre=""></partdata<></pre>		CDM Content Division	
(partage	%ids	As for %ids	
	%content	As for %content	
.		texttype = 480	
<ipb< td=""><td>%ids</td><td>As for %ids</td><td></td></ipb<>	%ids	As for %ids	
	4172		
<mpl< td=""><td></td><td><pre><pslist, texttype="6</pre"></pslist,></pre></td><td>00</td></mpl<>		<pre><pslist, texttype="6</pre"></pslist,></pre>	00
/	%ids	As for %ids	
	%content	As for %content	
	%links	As for %links	
binfo		CDM Content Division	
<partinfo< p=""></partinfo<>	%ids	As for lids	
	%content	As for acontent	
	partbase	texttype = NEW	
	mpl	texttype = NEW	
	mpi nature	%bodyatt form	
<datauni< td=""><td></td><td>abodjact tota</td><td></td></datauni<>		abodjact tota	
"da caunt	noun id	<pre><nomen, texttype="64</pre"></nomen,></pre>	10
	noun_type	<type< td=""><td></td></type<>	
	unit_asmbly	texttype = NEW	
	fig Indx no	texttype = NEW	
	refdes	texttype = 756	
	usble code	texttype = NEW	
	leg_symb	texttype = NEW	
	- - -		

CDM ELEMENT	ATTRIBUTE	ITDS EQUIVALENT	DETAIL REFERENCE
<partbase< td=""><td>%ids %content nature</td><td>CDM Content Division As for %ids As for %content %bodyatt form</td><td></td></partbase<>	%ids %content nature	CDM Content Division As for %ids As for %content %bodyatt form	
<datauni< td=""><td></td><td><pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre></td><td>5</td></datauni<>		<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	5
<fltinfo< td=""><td>%ids %content</td><td>CDM Content Division As for %ids As for %content</td><td>1.</td></fltinfo<>	%ids %content	CDM Content Division As for %ids As for %content	1.
<faultrpt< td=""><td>%ids %content</td><td>CDM Content Division As for %ids As for %content</td><td></td></faultrpt<>	%ids %content	CDM Content Division As for %ids As for %content	
<statrpt< td=""><td>%ids %content nature</td><td>CDM Content Division As for %ids As for %content %bodyatt form</td><td></td></statrpt<>	%ids %content nature	CDM Content Division As for %ids As for %content %bodyatt form	
<fault< td=""><td>%ids %content isoref nature fltcode</td><td>CDM Content Division As for %ids As for %content texttype = %bodyatt form texttype = 400</td><td></td></fault<>	%ids %content isoref nature fltcode	CDM Content Division As for %ids As for %content texttype = %bodyatt form texttype = 400	
<dynarpt< td=""><td>%ids %content name</td><td>CDM Content Division As for %ids As for %content No Equivalent</td><td></td></dynarpt<>	%ids %content name	CDM Content Division As for %ids As for %content No Equivalent	
<faultiso< td=""><td>lids content</td><td>CDM Content Division As for %ids As for %content</td><td></td></faultiso<>	lids content	CDM Content Division As for %ids As for %content	

1. <fltinfo
 - ITDS must identify all aspects of fault reporting. These include fault reports, fault codes, fault descriptions, causes, symptoms and tests.

CDM ELEMENT	ATTRIBUTE	ITDS EQUIVALENT	DETAIL REFERENCE
<statiso< td=""><td>%ids %content test fltcode</td><td>CDM Content Division As for %ids As for %content xref texttype = 400</td><td></td></statiso<>	%ids %content test fltcode	CDM Content Division As for %ids As for %content xref texttype = 400	
<statiso\<e< td=""><td>equip %ids %content equipid alteqids config nature</td><td>As for %ids As for %content <confgst %bodyatt="" <confgend="" form<="" td=""><td></td></confgst></td></statiso\<e<>	equip %ids %content equipid alteqids config nature	As for %ids As for %content <confgst %bodyatt="" <confgend="" form<="" td=""><td></td></confgst>	
<symptom .<="" td=""><td>lids content</td><td>CDM Content Division As for %ids As for %content</td><td></td></symptom>	lids content	CDM Content Division As for %ids As for %content	
<causeby< td=""><td>%ids %content nature</td><td>texttype = 180 As for %ids As for %content %bodyatt form</td><td></td></causeby<>	%ids %content nature	texttype = 180 As for %ids As for %content %bodyatt form	
<dynaiso< td=""><td>lids lcontent name</td><td>CDM Content Division As for %ids As for %content No Equivalent</td><td>1.</td></dynaiso<>	lids lcontent name	CDM Content Division As for %ids As for %content No Equivalent	1.
<mdas< td=""><td>%ids %content</td><td>CDM Content Division As for %ids As for %content</td><td></td></mdas<>	%ids %content	CDM Content Division As for %ids As for %content	
<mdasym< td=""><td>%ids %content faultid kind nature</td><td>CDM Content Division As for %ids As for %content No Equivalent No Equivalent %bodyatt form</td><td></td></mdasym<>	%ids %content faultid kind nature	CDM Content Division As for %ids As for %content No Equivalent No Equivalent %bodyatt form	
<mdasflt< td=""><td>%ids %content mtbf nature</td><td>CDM Content Division As for %ids As for %content No Equivalent %bodyatt form</td><td></td></mdasflt<>	%ids %content mtbf nature	CDM Content Division As for %ids As for %content No Equivalent %bodyatt form	

 dynrapt - Unsure if this element and all elements contained within it will be in the CDM.

CDM ELEMENT	ATTRIBUTE	ITDS EQUIVALENT	DETAIL REFERENCE
<mdastest< td=""><td><pre>%ids %content mtbf outcomes time to proc tto tproc access nature</pre></td><td>CDM Content Division As for %ids As for %content No Equivalent No Equivalent xrefid No Equivalent bodyatt form</td><td></td></mdastest<>	<pre>%ids %content mtbf outcomes time to proc tto tproc access nature</pre>	CDM Content Division As for %ids As for %content No Equivalent No Equivalent xrefid No Equivalent bodyatt form	
<mdasrect< td=""><td>%ids %content mtbf avail kind rplvl rectime chktime spptime rto rproc cto cproc tto tproc nsn access nature</td><td>CDM Content Division As for %ids As for %content No Equivalent xrefid No Equivalent texttype = 637 texttype = 110 %bodyatt form</td><td></td></mdasrect<>	%ids %content mtbf avail kind rplvl rectime chktime spptime rto rproc cto cproc tto tproc nsn access nature	CDM Content Division As for %ids As for %content No Equivalent xrefid No Equivalent texttype = 637 texttype = 110 %bodyatt form	
<mdasaces< td=""><td>%ids %content time to proc nature</td><td>CDM Content Division As for %ids As for %content No Equivalent xrefid No Equivalent %bodyatt form</td><td>·</td></mdasaces<>	%ids %content time to proc nature	CDM Content Division As for %ids As for %content No Equivalent xrefid No Equivalent %bodyatt form	·
<test< td=""><td>%ids %content outcomes</td><td>texttype = 935 As for %ids As for %content No Equivalent</td><td></td></test<>	%ids %content outcomes	texttype = 935 As for %ids As for %content No Equivalent	

CDM ELEMENT	ATTRIBUTE	ITDS EQUIVALENT	DETAIL REFERENCE
a c	rp reparatory ccess related est ectification %ids %content	texttype = 740 texttype = 110 texttype = 935 texttype = 305 As for %ids As for %content	
<test\<step< td=""><td>ipi person %ids %content specinstr reqtype verb nature</td><td>CDM Content Division texttype = 500 texttype = 710 As for %ids As for %content texttype = 860 <branch type="select<br">Various texttypes %bodyatt form</branch></td><td>) menu</td></test\<step<>	ipi person %ids %content specinstr reqtype verb nature	CDM Content Division texttype = 500 texttype = 710 As for %ids As for %content texttype = 860 <branch type="select<br">Various texttypes %bodyatt form</branch>) menu
<rectif< td=""><td>%ids %content refdes nsn</td><td>CDM Content Division As for %ids As for %content texttype = 756 texttype = 637</td><td></td></rectif<>	%ids %content refdes nsn	CDM Content Division As for %ids As for %content texttype = 756 texttype = 637	
<rectif\<st< td=""><td>epgrp %ids %content</td><td>CDM Content Division As for %ids As for %content</td><td></td></rectif\<st<>	epgrp %ids %content	CDM Content Division As for %ids As for %content	
<rectif\<st< td=""><td>ep ipi person %ids %content specinstr reqtype verb nature</td><td>CDM Content Division texttype = 500 texttype = 710 As for %ids As for %content texttype = 860 Various texttypes %bodyatt form</td><td>: } menu</td></rectif\<st<>	ep ipi person %ids %content specinstr reqtype verb nature	CDM Content Division texttype = 500 texttype = 710 As for %ids As for %content texttype = 860 Various texttypes %bodyatt form	: } menu

CDM ELEMENT	ATTRIBUTE	ITDS EQUIVALENT	DETAIL REFERENCE
<refstrc< td=""><td>%ids %content</td><td>CDM Content Division As for %ids AS for %content</td><td></td></refstrc<>	%ids %content	CDM Content Division As for %ids AS for %content	
<graph2d< td=""><td>%ids %content srcgraph prmgraph name type orient pixrange</td><td><pre><graphic %content="" %ids="" <figure="" as="" depth<="" equivalent="" for="" name="" no="" pre="" rotate="" segment="" type="" width,=""></graphic></pre></td><td></td></graph2d<>	%ids %content srcgraph prmgraph name type orient pixrange	<pre><graphic %content="" %ids="" <figure="" as="" depth<="" equivalent="" for="" name="" no="" pre="" rotate="" segment="" type="" width,=""></graphic></pre>	
<graph3d< td=""><td>%ids %content srcgraph prmgraph name type orient pixrange</td><td><pre><graphic %content="" %ids="" <figure="" as="" depth<="" equivalent="" for="" name="" no="" pre="" rotate="" segment="" type="" width,=""></graphic></pre></td><td></td></graph3d<>	%ids %content srcgraph prmgraph name type orient pixrange	<pre><graphic %content="" %ids="" <figure="" as="" depth<="" equivalent="" for="" name="" no="" pre="" rotate="" segment="" type="" width,=""></graphic></pre>	
<pre><pre><pre><pre><pre></pre></pre></pre></pre></pre>	%ids %content	CDM Content Division As for %ids As for %content	
<pre><pre>prmptval</pre></pre>	%ids %content	<pre><brack %content<="" %ids="" as="" for="" pre="" type="correc"></brack></pre>	t
<table< td=""><td>tids tcontent name</td><td><pre></pre></td><td></td></table<>	tids tcontent name	<pre></pre>	
<colhddef< td=""><td>%ids %content colnum datatype colname</td><td><pre><colhddef %content="" %ids="" as="" colnum="" equivalent<="" for="" no="" pre=""></colhddef></pre></td><td></td></colhddef<>	%ids %content colnum datatype colname	<pre><colhddef %content="" %ids="" as="" colnum="" equivalent<="" for="" no="" pre=""></colhddef></pre>	

CDM ELEMENT	ATTRIBUTE	ITDS EQUIVALENT	DETAIL REFERENCE
<entry< td=""><td>col row %ids %content nature</td><td><pre><entry %bodyatt="" %content="" %ids="" as="" col="" for="" form<="" pre="" row=""></entry></pre></td><td></td></entry<>	col row %ids %content nature	<pre><entry %bodyatt="" %content="" %ids="" as="" col="" for="" form<="" pre="" row=""></entry></pre>	
<dictitem< td=""><td><pre>% ids % content term nature</pre></td><td>CDM Content Division As for %ids As for %content <term %bodyatt="" form<="" td=""><td></td></term></td></dictitem<>	<pre>% ids % content term nature</pre>	CDM Content Division As for %ids As for %content <term %bodyatt="" form<="" td=""><td></td></term>	
<verb< td=""><td>%ids %content nature</td><td>Various Texttypes As for %ids As for %content %bodyatt form</td><td></td></verb<>	%ids %content nature	Various Texttypes As for %ids As for %content %bodyatt form	
<dataunit< td=""><td>%ids %stats %content</td><td>Not Applicable</td><td></td></dataunit<>	%ids %stats %content	Not Applicable	
<datalink< td=""><td>%ids %links %xrefs</td><td>&{entity name}; As for %ids As for %links As for %xrefs</td><td></td></datalink<>	%ids %links %xrefs	&{entity name}; As for %ids As for %links As for %xrefs	
<data< td=""><td>%ids %content</td><td>CDM Content Division As for %ids As for %content</td><td></td></data<>	%ids %content	CDM Content Division As for %ids As for %content	
<pre><grphprim< pre=""></grphprim<></pre>	%ids %content file coding	Not Applicable	
<textunit< td=""><td>%ids %content</td><td><pre><!--Entity As for %ids As for %content</pre--></pre></td><td>1.</td></textunit<>	%ids %content	<pre><!--Entity As for %ids As for %content</pre--></pre>	1.
<dictref< td=""><td>%ids dictid %content</td><td>Not Applicable</td><td></td></dictref<>	%ids dictid %content	Not Applicable	

CDM ELEMENT	ATTRIBUTE	ITDS EQUIVALENT	DETAIL REFERENCE
<equipref< td=""><td>%ids equipid %content</td><td>Not Applicable</td><td></td></equipref<>	%ids equipid %content	Not Applicable	
<pre><verbref< pre=""></verbref<></pre>	%ids verbid %content	Not Applicable	
<ftnoteref< td=""><td>%ids ftnoteid %content</td><td><pre><ftnotest %content<="" %ids="" <ftnotend="" as="" equivalent="" for="" no="" pre=""></ftnotest></pre></td><td></td></ftnoteref<>	%ids ftnoteid %content	<pre><ftnotest %content<="" %ids="" <ftnotend="" as="" equivalent="" for="" no="" pre=""></ftnotest></pre>	

1. textunit

- CDM uses to identify a character string. Actual definition of the character string is determined by the linktypes of the datalinks which link to the textunit. In other words, if textunit is linked via a title datalink, the character string within the textunit is a title. If the same text is linked via a datalink with linktype = prompt, then the character string is also a prompt.